10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Actin β Polyclonal Antibody
Catalog # AP68282

Specification

Actin β Polyclonal Antibody - Product Information

Application	**IF**
Primary Accession	P60709
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Actin β Polyclonal Antibody - Additional Information

Gene ID 60

Other Names
ACTB; Actin; cytoplasmic 1; Beta-actin

Dilution
IF~~IF: 1:50-200 Western Blot: 1/1000 - 1/4000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Actin β Polyclonal Antibody - Protein Information

Name ACTB

Function
Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells (PubMed:25255767, PubMed:29581253). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed:29581253). In addition to their role in the cytoplasmic cytoskeleton, G- and F- actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA (PubMed:29925947). Part of the ACTR1A/ACTB filament around which the dynactin complex is built. The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along microtubules (By similarity).

Cellular Location
Cytoplasm, cytoskeleton. Nucleus Note=Localized in cytoplasmic mRNP granules containing

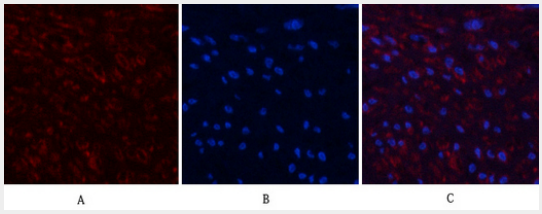
untranslated mRNAs.

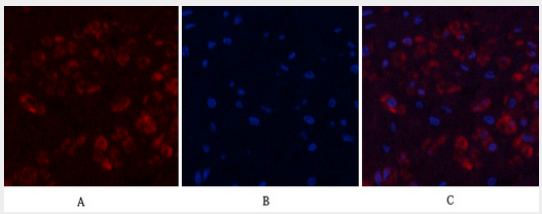
Actin β Polyclonal Antibody - Protocols

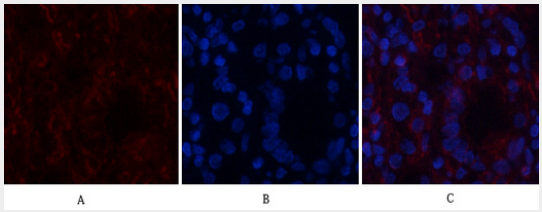
Provided below are standard protocols that you may find useful for product applications.

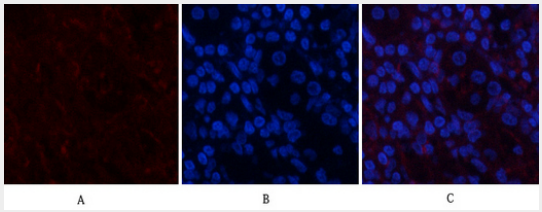
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Actin β Polyclonal Antibody - Images









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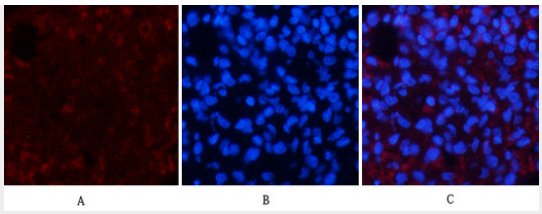

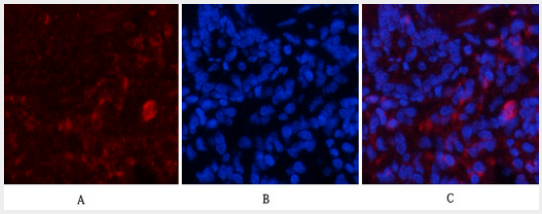

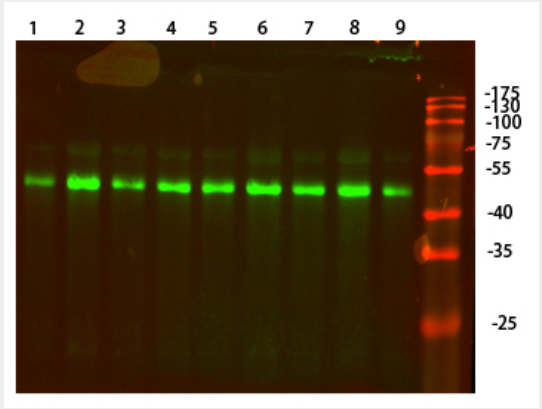

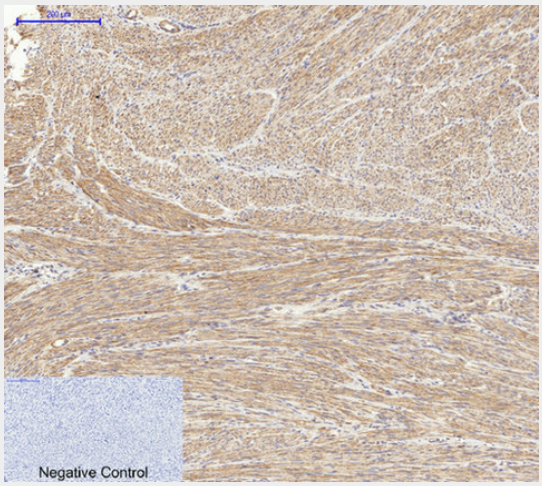

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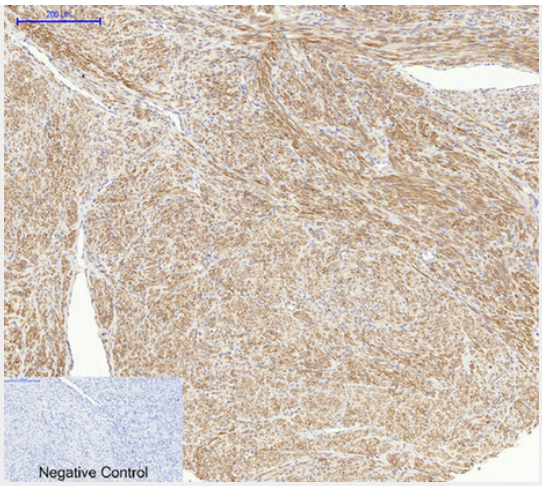

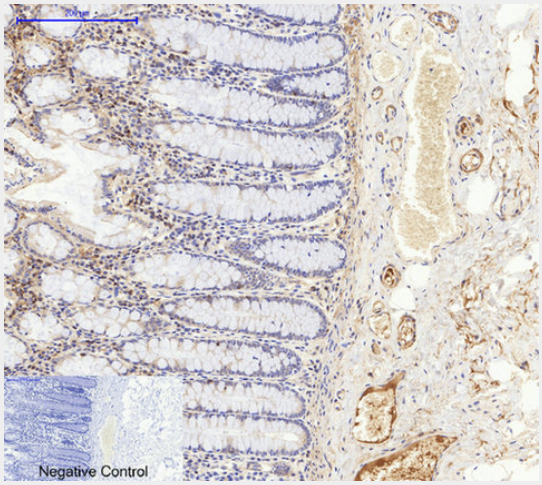

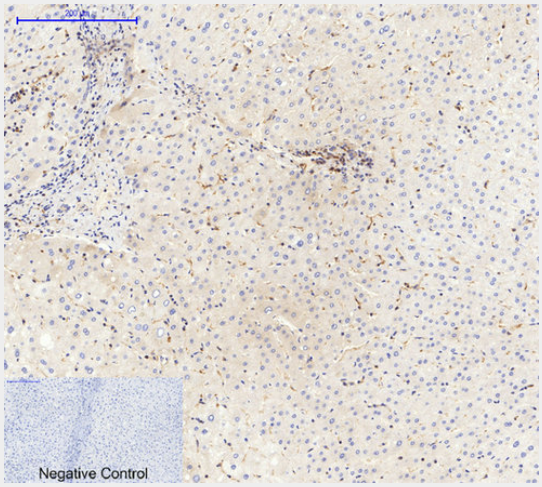

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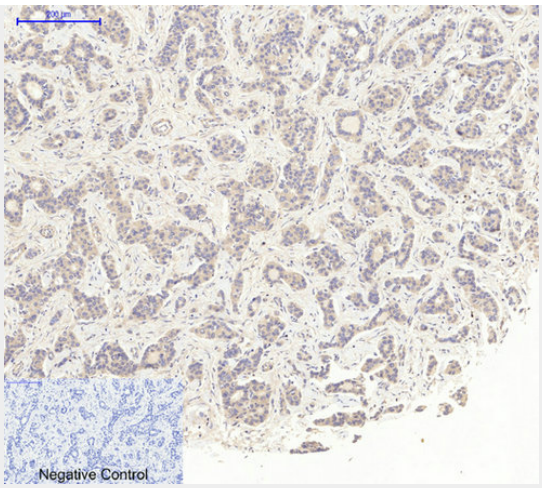

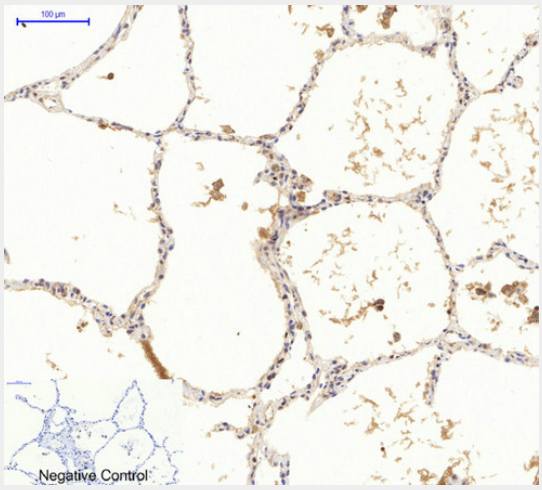

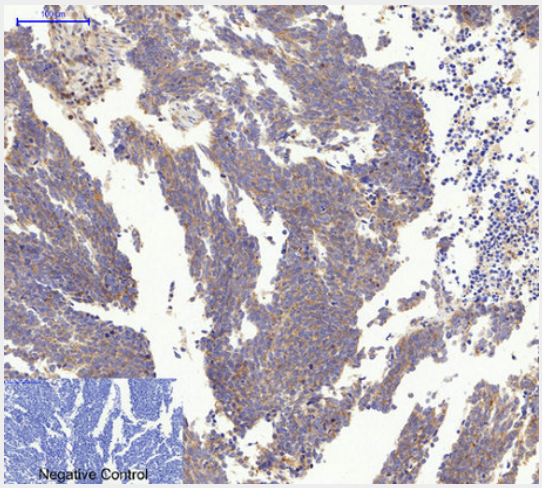

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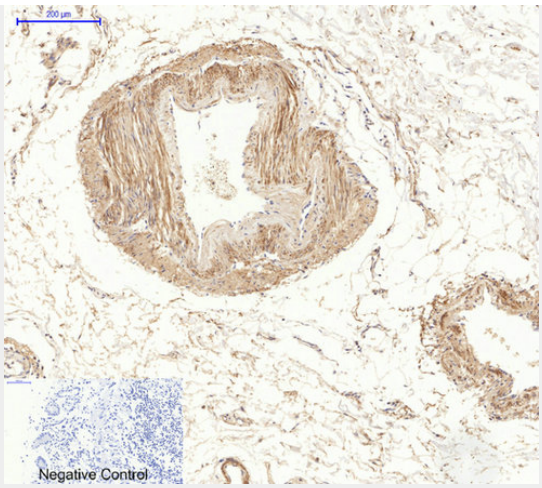

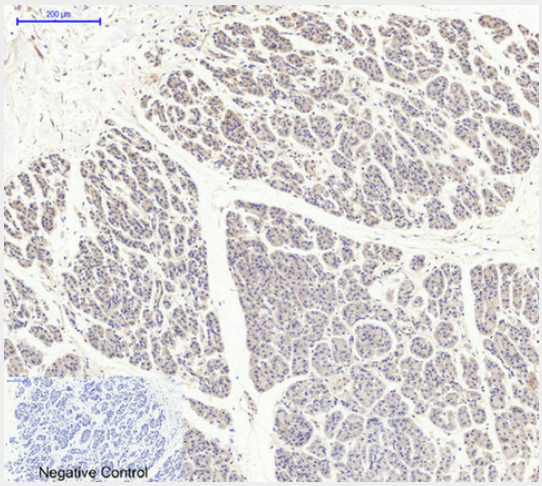

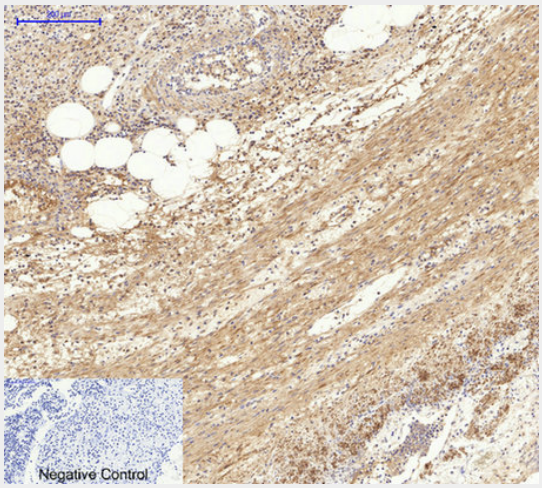

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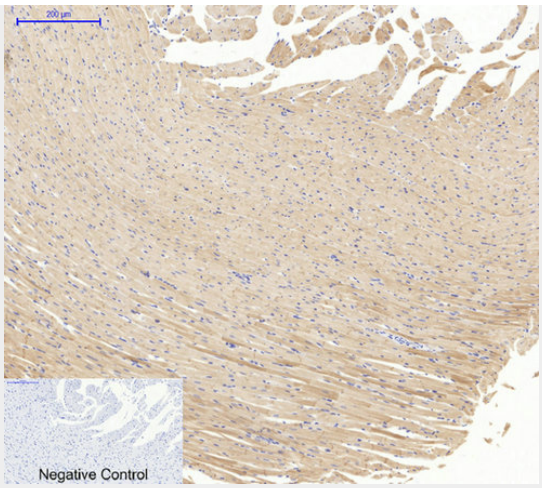

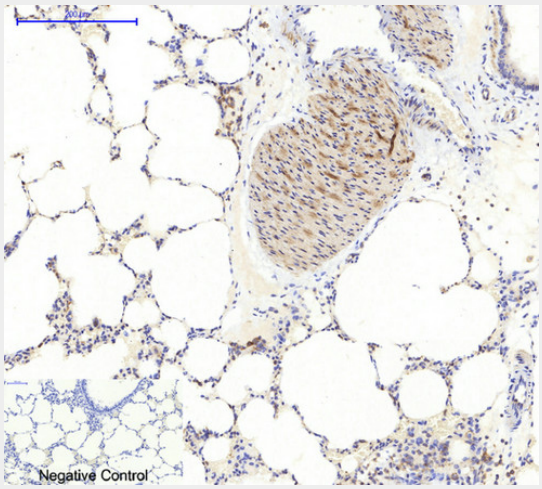

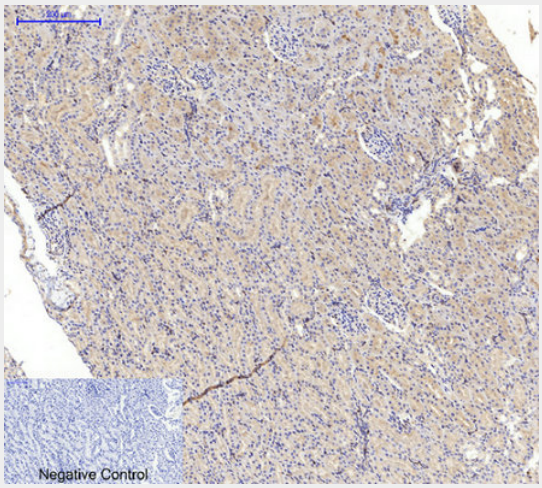

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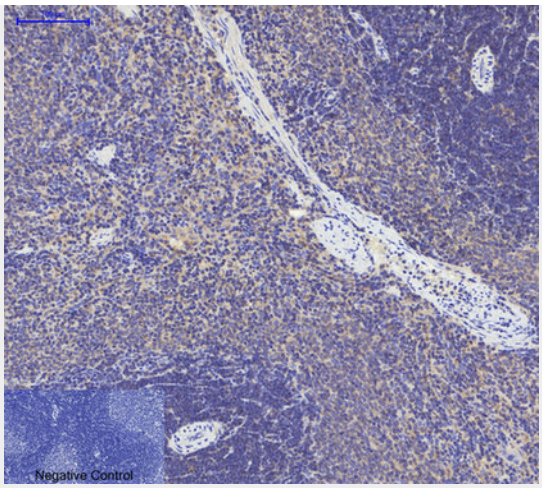

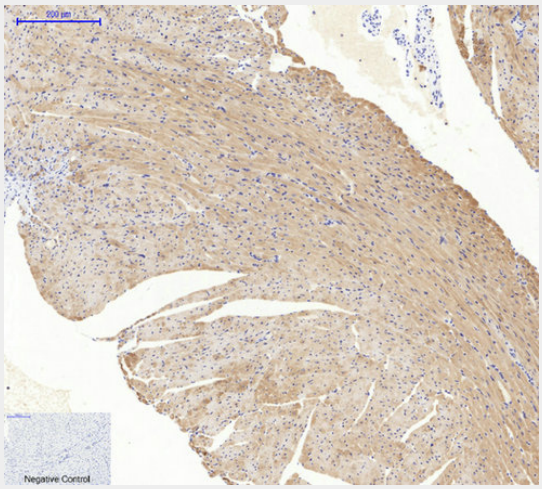

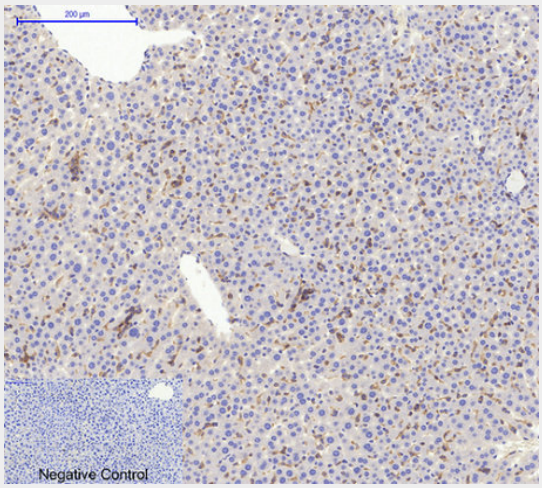

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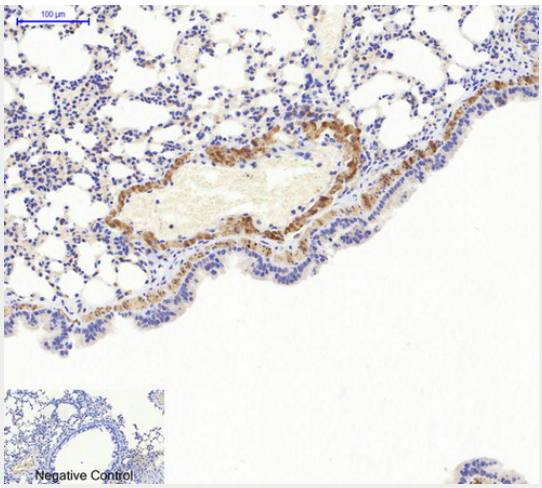

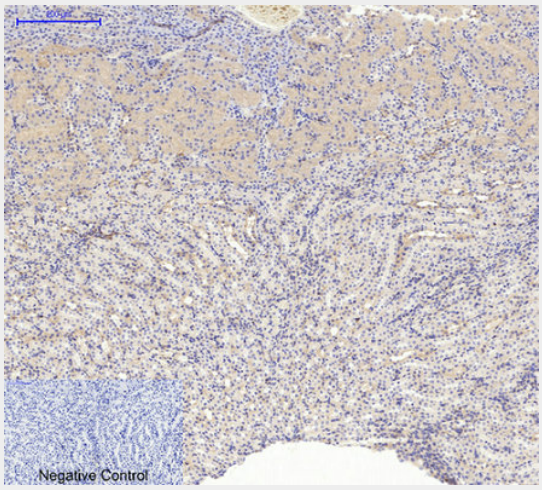

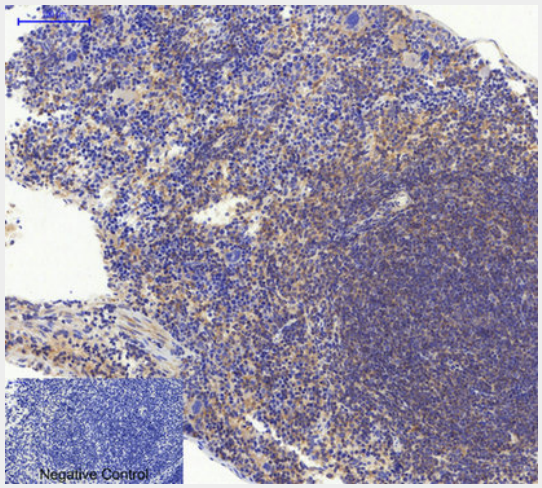

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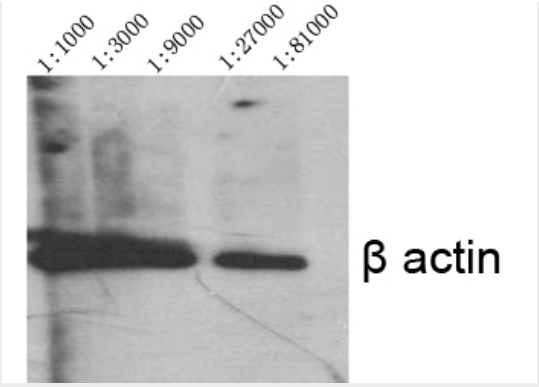

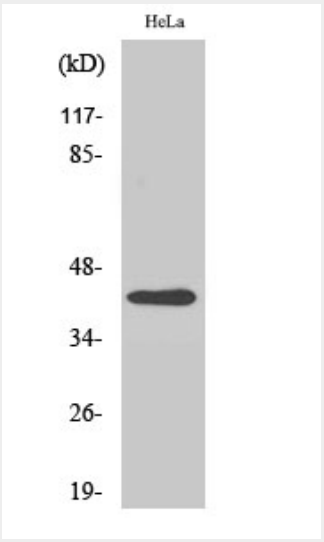

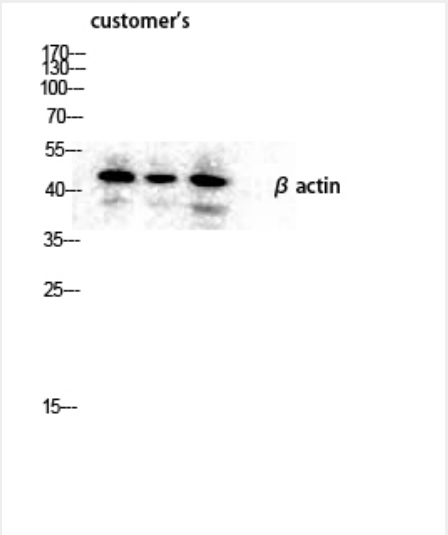

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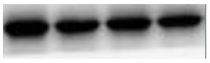
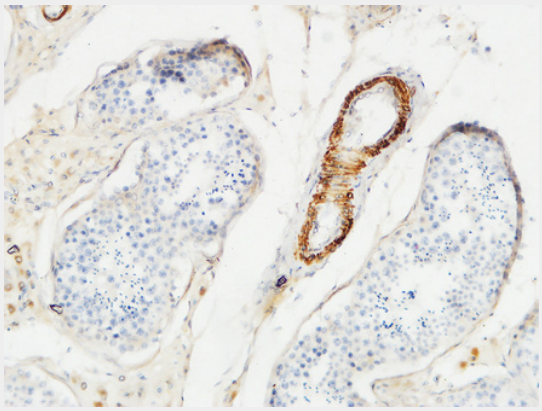
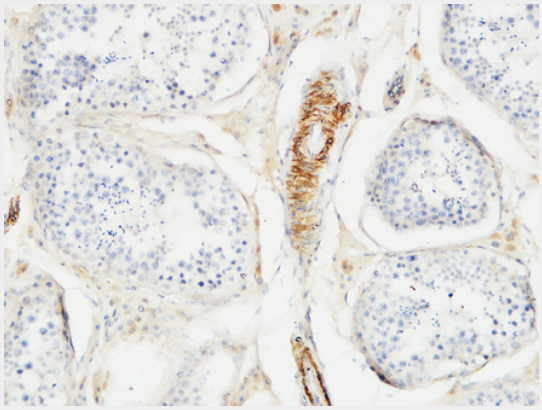
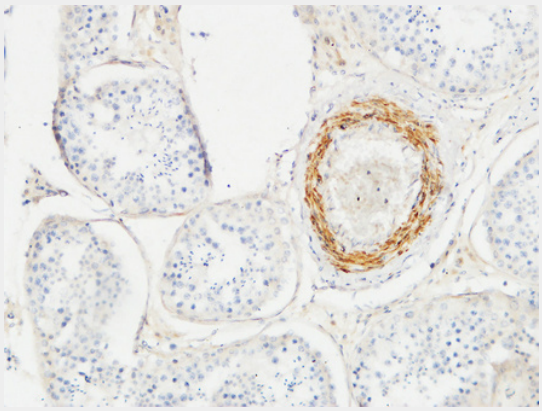


The First Affiliated Hospital of China Medical University
Dr. HouDianDong







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Actin β Polyclonal Antibody - Background

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