10320 Camino Santa Fe, Suite G
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Anti-HN1 Rabbit Monoclonal Antibody
Catalog # ABO16656

Specification

Anti-HN1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	Q9UK76
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-HN1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-HN1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 51155

Other Names
Jupiter microtubule associated homolog 1 {ECO:0000312|HGNC:HGNC:14569}, Androgen-regulated protein 2, Hematological and neurological expressed 1 protein, Jupiter microtubule associated homolog 1, N-terminally processed, JPT1 (HGNC:14569)

Application Details
WB 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:50

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human HN1

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-HN1 Rabbit Monoclonal Antibody - Protein Information

Name JPT1 (HGNC:14569)

Function
Modulates negatively AKT-mediated GSK3B signaling (PubMed:21323578, PubMed:22155408). Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions (PubMed:25169422). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:25169422, PubMed:25450365). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteasomal degradation (PubMed:22155408).

Cellular Location
Nucleus. Cytoplasm

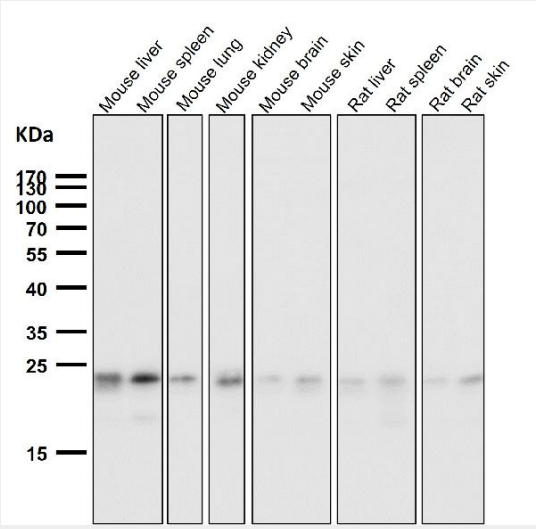
Tissue Location
Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

Anti-HN1 Rabbit Monoclonal 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

Anti-HN1 Rabbit Monoclonal Antibody - Images



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.

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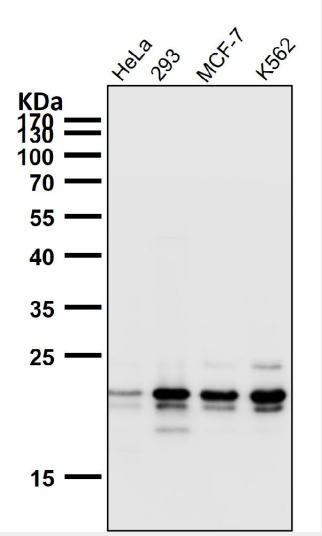
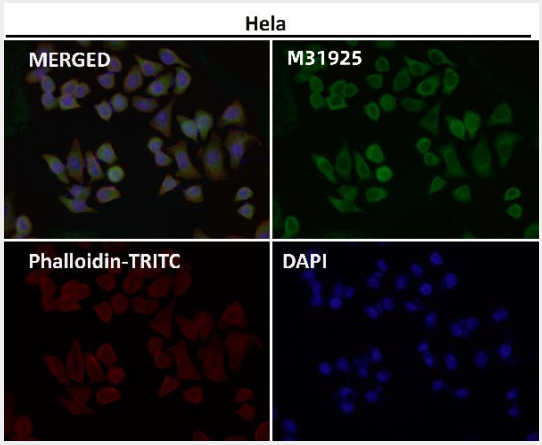
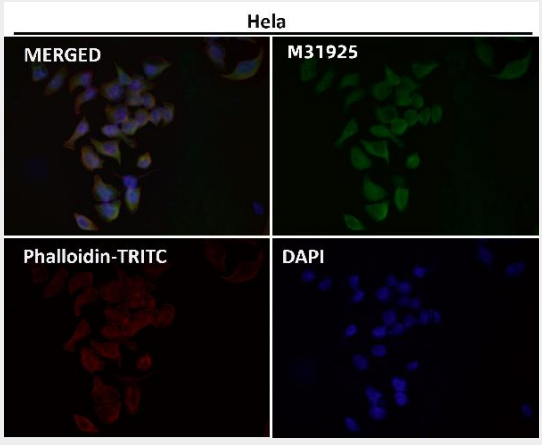


All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.

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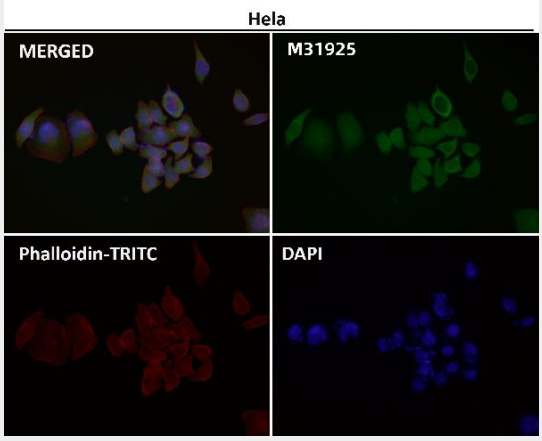
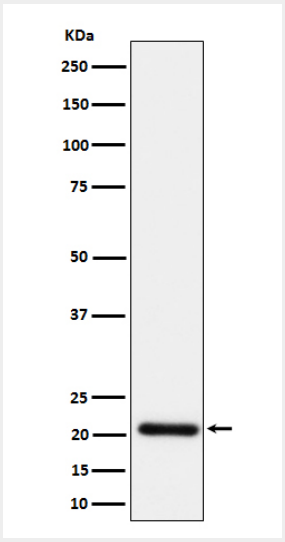


Immunofluorescent analysis using the Antibody at 1:500 dilution.



Western blot analysis of HN1 expression in HeLa cell lysate.