

**Anti-Alpha-actin-1 Antibody**  
Mouse monoclonal antibody to Alpha-actin-1  
Catalog # AP61565

**Specification**

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**Anti-Alpha-actin-1 Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">P68133</a>
Other Accession	<a href="#">P68134</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	42051

**Anti-Alpha-actin-1 Antibody - Additional Information**

**Gene ID** 58

**Other Names**

ACTA; Actin alpha skeletal muscle; Alpha-actin-1

**Target/Specificity**

Recognizes endogenous levels of Alpha-actin-1 protein.

**Dilution**

WB~~WB (1/5000 - 1/10000), IH (1/200 - 1/500), IP (1/100 - 1/200)

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**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Alpha-actin-1 Antibody - Protein Information**

**Name** ACTA1

**Synonyms** ACTA

**Function**

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

**Cellular Location**

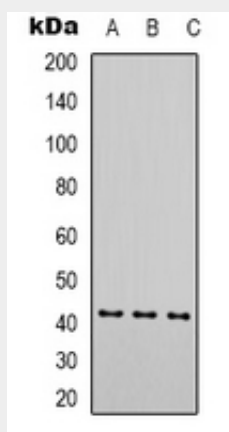
Cytoplasm, cytoskeleton.

## Anti-Alpha-actin-1 Antibody - Protocols

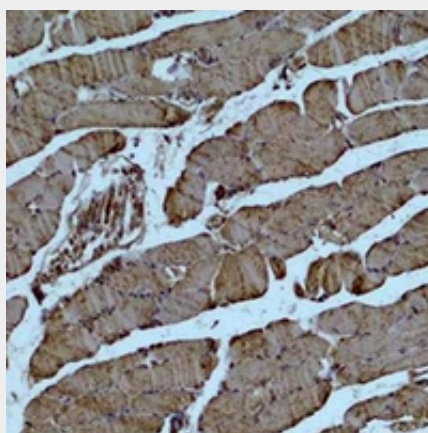
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

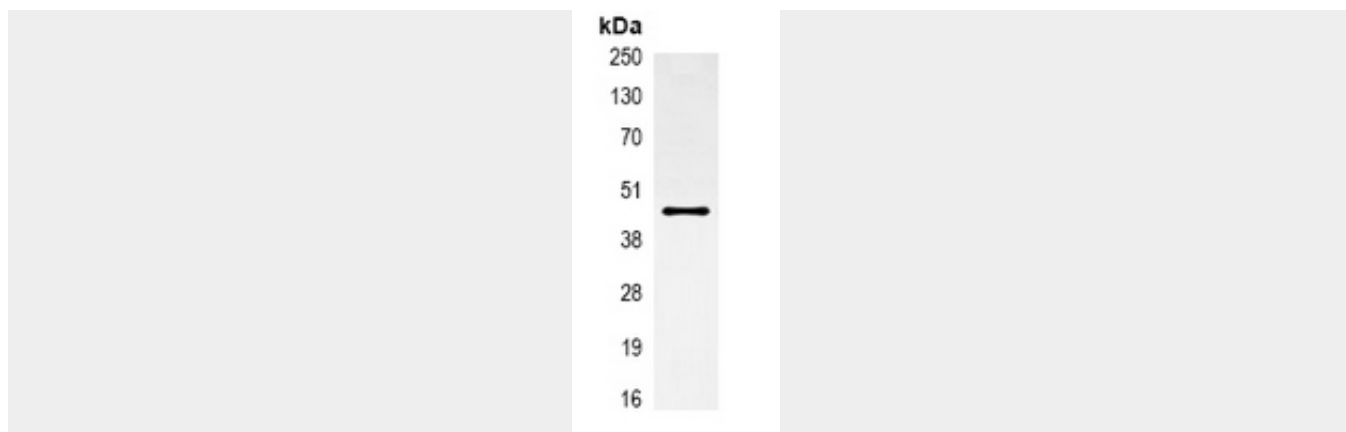
## Anti-Alpha-actin-1 Antibody - Images



Western blot analysis of Alpha-actin-1 expression in HeLa (A), mouse brain (B), rat brain (C) whole cell lysates.



Immunohistochemical analysis of Alpha-actin-1 staining in mouse skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunoprecipitation of Alpha-actin-1 from 0.5mg mouse brain whole cell extract lysate, using Anti-Alpha-actin-1 Antibody.

### **Anti-Alpha-actin-1 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence of human Alpha-actin-1. The exact sequence is proprietary.