

ACTN1 (aa596-609) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4102a**Specification**

ACTN1 (aa596-609) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P12814
Other Accession	NP_001123476.1 , NP_001093.1 , NP_001123477.1 , 87 , 109711 (mouse) , 81634 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	103058

ACTN1 (aa596-609) Antibody (internal region) - Additional Information**Gene ID** 87**Other Names**

Alpha-actinin-1, Alpha-actinin cytoskeletal isoform, F-actin cross-linking protein, Non-muscle alpha-actinin-1, ACTN1

DilutionWB~~1:1000
E~~N/A**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACTN1 (aa596-609) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ACTN1 (aa596-609) Antibody (internal region) - Protein Information**Name** ACTN1**Function**

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. Association with IGSF8 regulates the immune synapse formation and is required for efficient T- cell activation (PubMed:22689882).

Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line. Cell membrane. Cell junction {ECO:0000250|UniProtKB:Q9Z1P2}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q7TPR4}. Note=Colocalizes with MYOZ2 and PPP3CA at the Z-line of heart and skeletal muscle. Colocalizes with PSD in membrane ruffles and central reticular structures {ECO:0000250|UniProtKB:Q7TPR4}

ACTN1 (aa596-609) Antibody (internal region) - Protocols

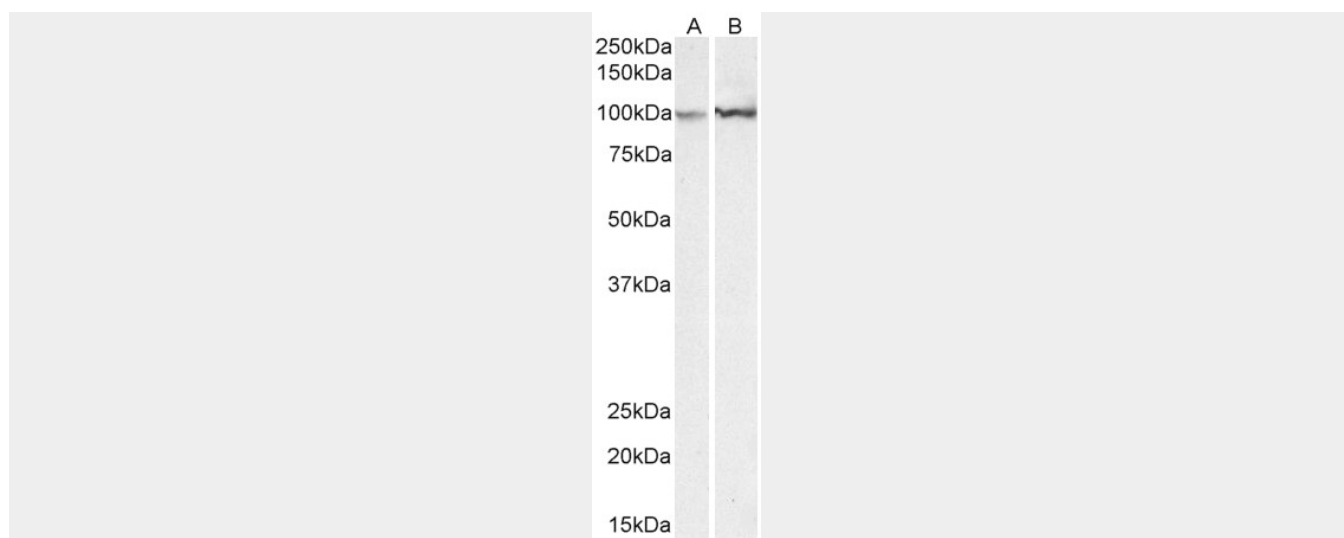
Provided below are standard protocols that you may find useful for product applications.

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

ACTN1 (aa596-609) Antibody (internal region) - Images



AF4102a (0.3 µg/ml) staining of Human Spleen lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF4102a (0.3 µg/ml) staining of Mouse (A) and Rat (B) Spleen lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ACTN1 (aa596-609) Antibody (internal region) - Background

This antibody is expected to recognize all reported isoforms (NP_001123476.1; NP_001093.1; NP_001123477.1).

ACTN1 (aa596-609) Antibody (internal region) - References

Alpha-actinin 1 and alpha-actinin 4: contrasting roles in the survival, motility, and RhoA signaling of astrocytoma cells. Quick Q, Skalli O. Experimental cell research 2010 Apr 316 (7): 1137-47. PMID: 20156433