

Rabbit ACTN2 Polyclonal Antibody | anti-ACTN2 antibody

ACTN2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA107055	Rabbit	Mouse, Rat, Human, Dog, Zebrafish, Cow, Guinea Pig, Rabbit.	Western Blot

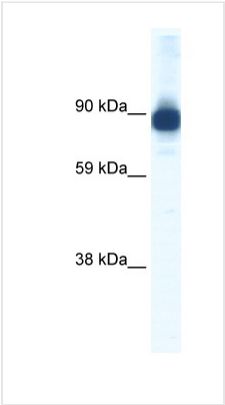
PRODUCT SYNONYMS

ACTN2; Polyclonal Antibody; ACTN2 antibody; Polyclonal ACTN2; Anti-ACTN2; ACTN-2; ACTN 2; anti-ACTN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human, Dog, Zebrafish, Cow, Guinea Pig, Rabbit.
Clonality	Polyclonal
Form/Format	Lyophilized powder. Reconstitute with 100ul of distilled water for a final concentration of 1mg/ml in PBS buffer with 2% Sucrose.
Concentration	lyophilized (varies by lot)
Sequence Length	894
Applicable Applications for anti-ACTN2 antibody	WB (Western Blot)
Biological Significance	The alpha-actinins are a multigene family of four actin-binding proteins related to dystrophin. The two skeletal muscle isoforms of alpha-actinin (ACTN2 and ACTN3) are major structural components of the Z-line involved in anchoring the actin-containing thin filaments. In humans, ACTN2 is expressed in all muscle fibres, while ACTN3 expression is restricted to a subset of type 2 fibres. Murine Actn2 and Actn3 are differentially expressed, spatially and temporally, during embryonic development and, in contrast to humans, alpha-actinin-2 expression does not completely overlap alpha-actinin-3 in postnatal skeletal muscle, suggesting independent function.
Cross-Reactivity	Mouse, Rat, Human, Bovine, Dog, Chicken, Zebrafish, African Clawed Frog
Immunogen	Synthetic peptide corresponding to the C-terminal region of mouse ACTN2.
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at 4 degree C short term, -20 degree C for long term. Avoid repeat freeze-thaws.

IMAGES



WB (Western Blot)
Western Blot analysis using ACTN2 antibodyACTN2 antibody used at 0.2-1 ug/ml to detect target protein.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN2 antibody	Rabbit polyclonal ACTN2 antibody
Product Categories/Family for anti-ACTN2 antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	157951643
NCBI GeneID	11472
NCBI Accession #	NP_150371
NCBI GenBank Nucleotide #	NM_033268.4
UniProt Accession #	Q9JI91; G3UW84
NCBI Official Full Name	alpha-actinin-2
NCBI Official Synonym Full Names	actinin alpha 2
NCBI Official Symbol	Actn2
NCBI Official Synonym Symbols	1110008F24Rik
NCBI Protein Information	alpha-actinin-2
UniProt Protein Name	Alpha-actinin-2
UniProt Gene Name	Actn2
UniProt Entry Name	ACTN2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.