

Anti-Alpha Actinin 2 Antibody (20342)

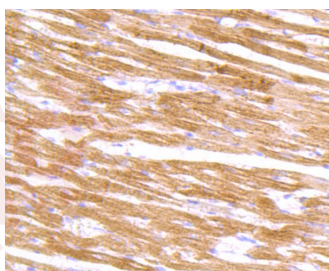
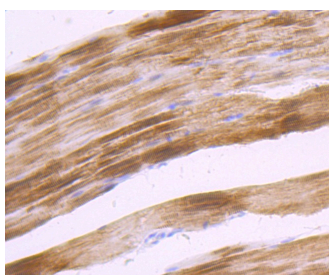
Product Details

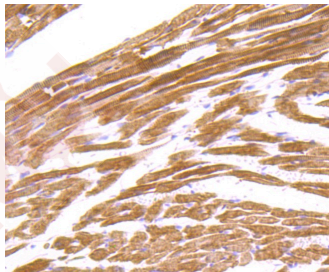
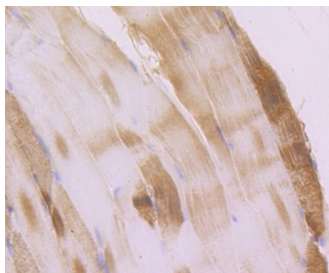
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 104 kDa.
Clone:	20342
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of ACTN2 on human heart lysates using anti-ACTN2 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse skeletal tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.





Application: IHC,IP,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200

Properties

Stability & Storage: Store at 2°C-8°C for 12 months, do not freeze.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P35609

Synonyms: Actin binding protein;alpha actinin skeletal muscle;ACTN 2;F-Actin Cross-Linking Protein; alpha-SCA;alpha actinin 2;CMD1AA;alpha actinin skeletal muscle isoform 2;Actinin alpha 2;sm Actinin-alpha;ACTN2;alpha-actinin-2

Research Background

The spectrin gene family encodes a diverse group of cytoskeletal proteins that include spectrins, dystrophins and α -actinins. There are four tissue-specific α -actinins, namely α -actinin-1, α -actinin-2, α -actinin-3 and α -actinin-4, which are localized to muscle and non-muscle cells, including skeletal, cardiac and smooth muscle cells, as well as within the cytoskeleton. Each α -actinin protein contains one Actin-binding domain, two calponin-homology domains, two EF-hand domains and four spectrin repeats, through which they function as bundling proteins that can cross-link F-Actin, thus anchoring Actin to a variety of intracellular structures. Defects in the gene encoding α -actinin-4 are the cause of focal segmental glomerulosclerosis 1 (FSGS1), a common renal lesion characterized by decreasing kidney function and, ultimately, renal failure.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481