

Anti-alpha Actinin 4 Antibody (7D211)

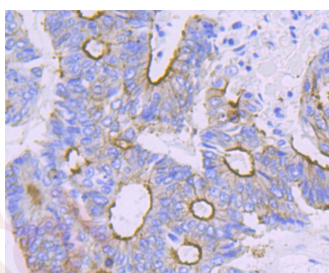
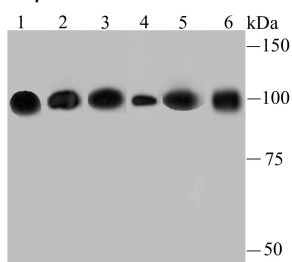
Product Details

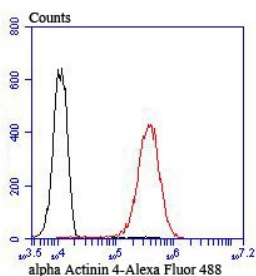
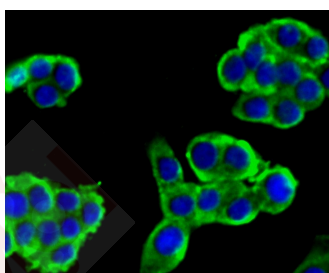
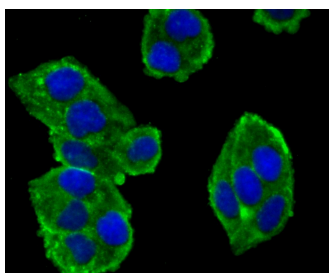
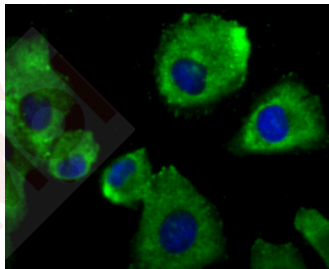
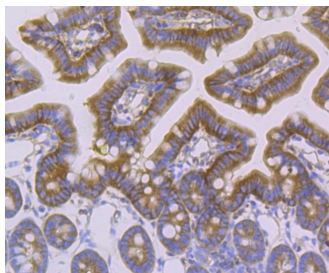
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 105 kDa.
Clone:	7D211
Purification:	ProA affinity purified

Applications

1. Western blot analysis of alpha Actinin 4 on different lysates using anti-alpha Actinin 4 antibody at 1/500 dilution. Positive control: Lane 1: Hela, Lane 2: PC-12, Lane 3: NIH-3T3, Lane 4: Rat liver tissue, Lane 5: A431, Lane 6: HepG2.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-alpha Actinin 4 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-alpha Actinin 4 antibody. Counter stained with hematoxylin.
4. ICC staining alpha Actinin 4 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining alpha Actinin 4 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining alpha Actinin 4 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. Flow cytometric analysis of A549 cells with alpha Actinin 4 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Verified Activity:





Application: FCM, ICC, IF, IHC, IP, WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:100-500; IP: 1:10-50; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	O43707
Synonyms:	DKFZp686K23158;F-Actin Cross-Linking Protein; α Actinin 4;Non-muscle alpha-actinin 4;actinin 4;actinin4;FSGS;F actin cross linking protein;Focal segmental glomerulosclerosis 1;alphaActinin 4; α Actinin 4;Actinin alpha 4;ACTN 4;a Actinin 4;Non muscle alpha actinin 4;ACTN4_HUMAN;aActinin 4;FSGS1;ACTN4;Alpha-actinin-4;FSGS 1

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. are actually sensitive to the Profilin proteins in these foods.

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