

Rabbit anti-Human alpha Actinin 4/ACTN4 Polyclonal Antibody | anti-ACTN4 antibody

Anti-alpha Actinin 4/ACTN4 Antibody, Rabbit Polyclonal

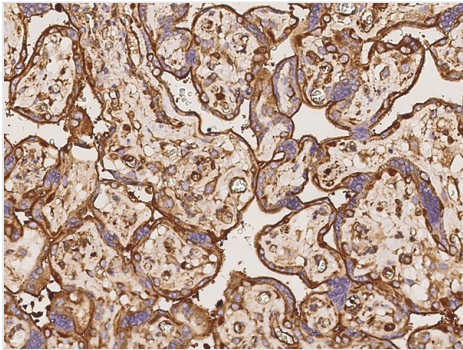
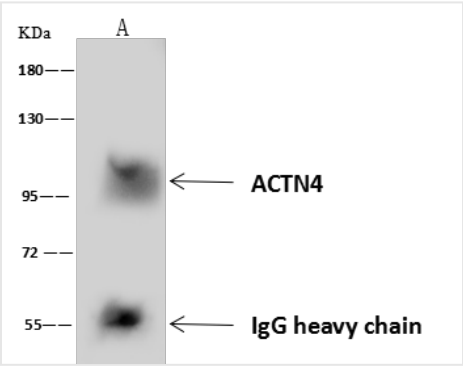
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256210	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

alpha Actinin 4/ACTN4; Polyclonal Antibody; Anti-alpha Actinin 4/ACTN4 Antibody; Rabbit Polyclonal; alpha Actinin 4/ACTN4 Antibody; Rabbit PAb; Antigen Affinity Purified; actinin; alpha 4; Anti-ACTININ-4 Antibody; Anti-FSGS Antibody; Anti-FSGS1 Antibody; anti-ACTN4 antibody

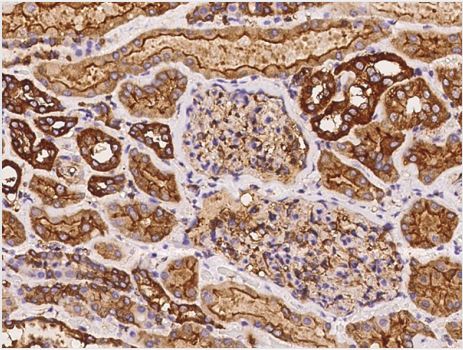
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human alpha Actinin 4/ACTN4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-ACTN4 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human alpha Actinin 4/ACTN4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human alpha Actinin 4/ACTN4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

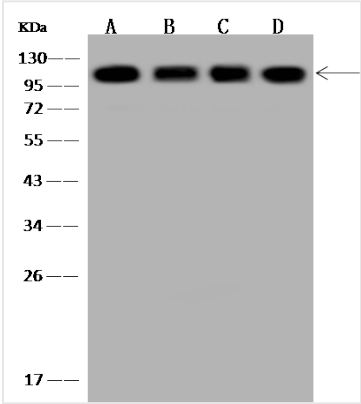


IP (Immunoprecipitation)
ACTN4 was immunoprecipitated using: Lane A: 0.5 mg HepG2 A431 Whole Cell Lysate 4 uL anti-ACTN4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-ACTN4 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 95 kDa. Observed band size: 100 kDa.

IHC (Immunohistochemistry)
Immunochemical staining of human ACTN4 in human placenta with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human ACTN4 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-ACTN4 rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: A431 Whole Cell Lysate. Lane C: MCF-7 Whole Cell Lysate. Lane D: HeLa Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 105 kDa. Observed band size: 105 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN4 antibody	Actinin, alpha 4 (ACTN4), a nonmuscle cytoskeleton protein, has been frequently reported to be associated with cell motility and cancer metastasis. Honda et al. have suggested that cytoplasmic ACTN4 increases cell motility and is associated with a high metastatic potential and a poor prognosis of cancer based on their studies on multiple cancer cell lines. Since then, ACTN4 has been reported to be associated with the progression and metastasis of many types of cancer, including breast, colorectal, pancreatic, lung, brain, bladder, and ovarian cancers and salivary gland carcinoma.
Product Categories/Family for anti-ACTN4 antibody	T Cell Receptor Signaling Pathway
References	Gao Y, Li G, Sun L, et al. ACTN4 and the pathways associated with cell motility and adhesion contribute to the process of lung cancer metastasis to the brain. BMC Cancer. 2015;15:277. Fukumoto M, Kurisu S, Yamada T, Takenawa T. alpha-Actinin-4 Enhances Colorectal Cancer Cell Invasion by Suppressing Focal Adhesion Maturation. St-Pierre Y, ed. PLoS ONE. 2015;10(4):e0120616.

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.