

Rabbit Actin, Smooth Muscle Antibody | anti-Actin, Smooth Muscle antibody

Rabbit anti SMA antibody (Smooth Muscle Actin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14079	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, ELISA, Immunoprecipitation

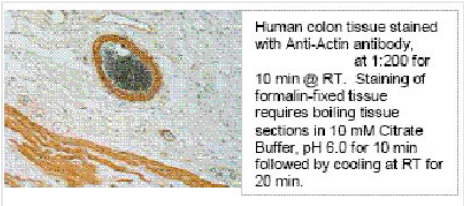
PRODUCT SYNONYMS

Actin; Smooth Muscle; Rabbit anti SMA antibody (Smooth Muscle Actin); Rabbit anti-Actin; ACTIN; SMA; Smooth muscle Actin; ACTG2; ACT; ACTA2; anti-Actin; Smooth Muscle antibody

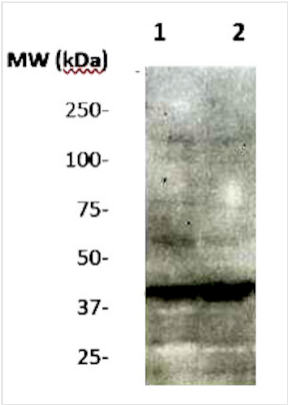
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes Actin protein. It cross-reacts to human, mouse, rat, chicken, bovine, etc.
Purity/Purification	The Rabbit IgG is purified by Epitope affinity purification
Form/Format	This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer.
Applicable Applications for anti-Actin, Smooth Muscle antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, IP (Immunoprecipitation)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Immunohistochemistry: 2-10 ug/ml Optimal dilutions should be determined by researchers for the specific applications.
Antigen Preparation	A 10aa synthetic peptide corresponding to N-term of human Actin protein, smooth muscle specific. This sequence is identical in human, mouse, rat, bovine and chicken.
Positive Control	Kidney Tissue
Cellular Location	Cell Mmembrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

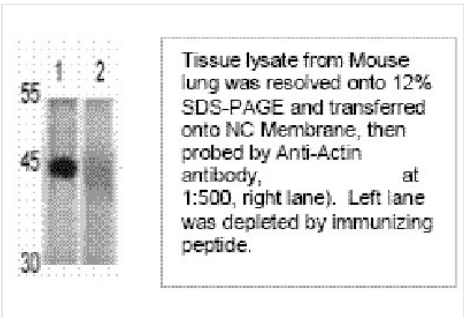
IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)
Western Blot: The whole lysate derived from Ht29 (20 ug/lane) immunoblotted by Rabbit anti-Actin (Cat# AAA14079) at 1:500. Observed a major immunoreactive band at molecular weight ~42 kDa.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-Actin, Smooth Muscle antibody

The Actin protein a component of the eukaryotic cytoskeleton is highly conserved between multiple species. It is involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. The levels of the Actin protein may vary between different cell types. But are consistent within a given cell type, and for this reason, Actin protein levels are considered an internal control for protein loading.

NCBI AND UNIPROT INFORMATION

Molecular Weight	42.0
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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.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/actin-smooth-muscle/14079>