

Mouse Actin Alpha 2, Smooth Muscle (ACTa2) Monoclonal Antibody | anti-ACTa2 antibody

Monoclonal Antibody to Actin Alpha 2, Smooth Muscle (ACTa2)

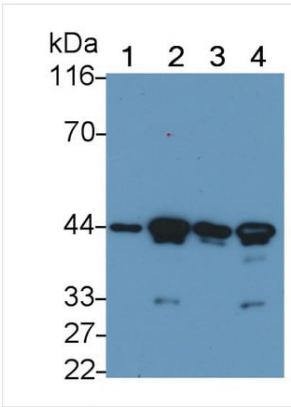
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA152740	Mouse	Human, Dog, Pig	Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

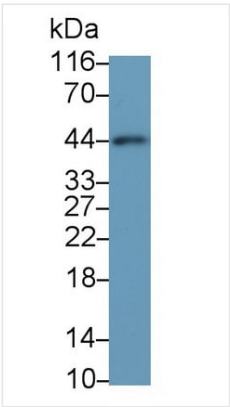
Actin Alpha 2; Smooth Muscle (ACTa2); Monoclonal Antibody; Monoclonal Antibody to Actin Alpha 2; Smooth Muscle; ACT-A2; ACTSA; ACTVS; Asma; GIG46; Cell growth-inhibiting gene 46 protein; anti-ACTa2 antibody

PRODUCT SPECIFICATIONS

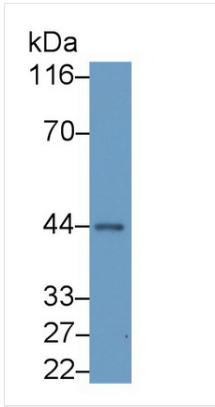
Host	Mouse
Reactivity	Human, Dog, Pig
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	E103
Specificity	The antibody is a mouse monoclonal antibody raised against ACTa2. It has been selected for its ability to recognize ACTa2 in immunohistochemical staining and western blotting.
Purity/Purification	Protein A + Protein G affinity chromatography
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Ile167~Phe377
Applicable Applications for anti-ACTa2 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Actin Alpha 2, Smooth Muscle (ACTa2)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



WB (Western Blot)
Western Blot; Sample: Lane1: human Placenta lysate; Lane2: Porcine Heart lysate; Lane3: Mouse Heart lysate; Lane4: Mouse Skeletal muscle lysatePrimary Ab: 0.01ug/ml Mouse Anti-ulti-species ACTa2 AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



WB (Western Blot)
Western Blot; Sample: Rat Heart lysatePrimary Ab: 0.01ug/ml Mouse Anti-ulti-species ACTa2 AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



WB (Western Blot)
Western Blot; Sample: Canine Heart lysate Primary Ab: 0.003ug/ml Mouse Anti-ulti-species ACTa2 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-ACTa2 antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Developmental science
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119570540
NCBI GeneID	59
UniProt Accession #	P62736; P03996; P04108; Q6F119; B2R8A4
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, alpha 2, smooth muscle, aorta, isoform CRA_a
NCBI Official Synonym Full Names	actin, alpha 2, smooth muscle, aorta
NCBI Official Symbol	ACTA2
NCBI Official Synonym Symbols	AAT6; ACTSA; MYMY5
NCBI Protein Information	actin, aortic smooth muscle; alpha-cardiac actin; cell growth-inhibiting gene 46 protein

UniProt Protein Name	Actin, aortic smooth muscle
UniProt Gene Name	ACTA2
UniProt Synonym Gene Names	ACTSA; ACTVS
UniProt Entry Name	ACTA_HUMAN

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/monoclonal/actin-alpha-2-smooth-muscle-acta2-antibody-clone-e103-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/152740>