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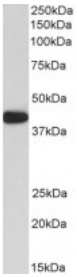
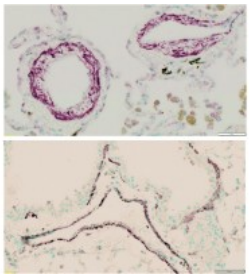
Actin Antibody

CATALOG NUMBER: 45-198



Western blot (0.3 ug/ml) staining of Human Skeletal Muscle lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2.5 ug/ml) staining of paraffin embedded Human Lung (top) and Mouse Lung (bottom). Trypsin-mediated antigen retrieval, HRP-staining. Bar in right lower corner represents 50um.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Pig, Rat
TESTED APPLICATIONS:	ELISA, IF, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:4000. Western Blot: Approx 45kDa band observed in Human Duodenum lysates (calculated MW of 42.0kDa according to NP_001604.1). Recommended concentration: 0.3-1.0ug/ml. Immunohistochemistry: In paraffin embedded Human and Murine Lung shows staining of the alveolar walls. Recommended concentration, 2-4ug/ml. Data obtained from a different batch (different goat).
POSITIVE CONTROL:	1) Cat. No. 1364 - Human Duodenum Tissue Lysate
SPECIFICITY:	Variants NP_001604.1 and NP_001135417.1 encode the same protein.
IMMUNOGEN:	Actin antibody was raised against a 10 amino acid synthetic peptide near the N-Terminus of Actin.
HOST SPECIES:	Goat

Properties

PURIFICATION:	Actin antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	Actin antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	ACTA2, ACTSA, actin, alpha 2, smooth muscle, aorta, alpha-cardiac actin, ACTVS, GIG46
ACCESSION NO.:	NP_001604.1
PROTEIN GI NO.:	4501883

OFFICIAL SYMBOL:	ACTA2
GENE ID:	59

Background

REFERENCES:	1) Reddy S, Ozgur K, Lu M, Chang W, Mohan SR, Kumar CC, Ruley HE. Structure of the human smooth muscle alpha-actin gene. Analysis of a cDNA and 5' upstream region. J Biol Chem. 1990 Jan 25;265(3):1683-7.

FOR RESEARCH USE ONLY

December 13, 2016