

Goat anti-Smooth muscle alpha-actin Antibody

Item Number	dAP-0501
Target Molecule	Principle Name: Smooth muscle alpha-actin; Official Symbol: ACTA2; All Names and Symbols: ACTA2; actin, alpha 2, smooth muscle, aorta; OTTHUMP00000020042; ACTSA; AAT6; ACTSA; alpha 2 actin; alpha-cardiac actin; growth-inhibiting gene 46; smooth muscle alpha-actin;; Accession Number (s): NP_001604.1; NP_001135417.1; Human Gene ID(s): 59; Non-Human GeneID(s):
Immunogen	EEEDSTALVC, is from N Terminus Variants NP_001604.1 and NP_001135417.1 encode the same protein.
Applications	Pep ELISA, WB Species Tested: Human, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx 45kDa band observed in Human and Rat Duodenum lysates and approx. 40-45kDa in lysates of cell line HeLa (calculated MW of 42kDa according to Human NP_001604.1 and Rat NP_112266.1). Recommended concentration: 0.01-0.3µg/ml. Primary inc
IHC	
Reference	Reference(s): 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. PMID: 2295650 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**