



Goat anti-Calponin 2 / CNN2 Antibody

Item Number	dAP-1852
Target Molecule	Principle Name: Calponin 2 / CNN2; Official Symbol: CNN2; All Names and Symbols: CNN2; calponin 2; calponin H2, smooth muscle; neutral calponin; Accession Number (s): NP_004359.1; NP_958434.1; Human Gene ID(s): 1265; Non-Human GeneID(s):
Immunogen	DPGEVPEYPPYYQEE, is from internal region (near C Terminus) This antibody is expected to recognize both reported isoforms (NP_004359.1; NP_958434.1), but it is not expected to cross-react with CCN3.
Applications	Pep ELISA, WB, IHC Species Tested: Human
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 32000.
Western Blot	Western Blot: Approx 35kDa band observed in lysates of cell line HepG2 (calculated MW of 33.7kDa according to NP_004359.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Placenta. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Masuda H, Tanaka K, Takagi M, Ohgami K, Sakamaki T, Shibata N, Takahashi K, Molecular cloning and characterization of human non-smooth muscle calponin. Journal of biochemistry 1996 Aug 120 (2): 415-24..PMID: 8889829->

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**