



Goat anti-CAPZB Antibody

Item Number	dAP-0335
Target Molecule	Principle Name: CAPZB; Official Symbol: CAPZB; All Names and Symbols: CAPZB; capping protein (actin filament) muscle Z-line, beta; CAPB; CAPZ; CAPPB; Cap Z; RP4-657E11.7; MGC104401; MGC129749; MGC129750; Cap Z; F-actin capping protein beta subunit; Accession Number (s): NP_004921.1; Human Gene ID(s): 832; Non-Human GeneID(s): 12345 (mouse)
Immunogen	NDLVEALKRKQQC, is from C Terminus This antibody is expected to be specific for the beta2 isoform of capping protein, found in non-muscle cells and should not recognise the beta1 form.
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat, Pig
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 30kDa band observed in lysates of cell lines Jurkat, HeLa and NIH-3T3 and approx 28kDa band observed in Mouse, Rat and Pig Heart lysates (calculated MW of 30.6kDa according to Human NP_004921.1 and 31.3kDa according to Mouse NP_00103
IHC	
Reference	Reference(s): Hart MC, Cooper JA. Vertebrate isoforms of actin capping protein beta have distinct functions In vivo.gelsolin/severin and profilin protein families. J Cell Biol 1999 Dec 13;147(6):1287-98.PMID: 10601341->

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**