

Goat anti-CAPRIN1 Antibody

Item Number	dAP-3204
Target Molecule	Principle Name: CAPRIN1; Official Symbol: CAPRIN1; All Names and Symbols: CAPRIN1; cell cycle associated protein 1; GPIAP1; GPIIP137; M11S1; RNG105; p137GPI; GPI-anchored membrane protein 1; GPI-anchored protein p137; GPI-p137; RNA granule protein 105; activation/proliferation-associated protein 1; caprin 1; caprin-1; cell cycle; Accession Number (s): NP_005889.3; NP_976240.1; Human Gene ID(s): 4076; Non-Human GeneID(s): 362173 (rat)
Immunogen	EQR PQKEPIDQ, is from internal region This antibody is expected to recognize both reported isoforms (NP_005889.3; NP_976240.1).
Applications	Pep ELISA, WB 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 16000.
Western Blot	Western Blot: Approx 80+140kDa bands observed in lysates of cell line Caco-2, HeLa, Jurkat and K562 (calculated MW of 78.4kDa according to NP_005889.3). The ~140kDa band corresponds to the reported p137 (Ellis and Luzio, J Biol Chem. 1995 Sep 1;270(35):2
IHC	
Reference	Reference(s): Wang B, David MD, Schrader JW. Absence of caprin-1 results in defects in cellular proliferation. Journal of immunology (Baltimore, Md. : 1950) 2005 Oct 175 (7): 4274-82..PMID: 16177067->

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**