

Goat anti-CAPRIN1 Antibody

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| Item Number | dAP-3204 |
| Target Molecule | Principle Name: CAPRIN1; Official Symbol: CAPRIN1; All Names and Symbols: CAPRIN1; cell cycle associated protein 1; GPIAP1; GPIP137; 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 GenelD(s): 362173 (rat) |
| Immunogen | EQRPQKKEPIDQ, 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**