

Goat anti-Rhopilin 2 (Internal) Antibody

Item Number	dAP-0706
Target Molecule	Principle Name: Rhophilin 2 (Internal); Official Symbol: RHPN2; All Names and Symbols: RHPN2; p76RBE; rhophilin, Rho GTPase binding protein 2; rhophilin 2; rhophilin-2; RhoB effector; rhophilin-like protein; P76RBE; RHOBP; 76 kDa RhoB effector protein; GTP-Rho-binding protein 2; rhophilin-like Rho-GTPase binding protein; Accession Number (s): NP_149094.3; Human Gene ID(s): 85415; Non-Human GeneID(s):
Immunogen	TNKNRQKSAST, is from internal region
Applications	Pep ELISA, 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: Preliminary experiments gave an approx 35kDa band in Human Pancreas and Prostate lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculat
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows staining of cellular membrane and cytoplasm in convoluted tubular cells. Recommended concentration 5-10µg/ml.
Reference	Reference(s): Peck JW, Oberst M, Bouker KB, Bowden E, Burbelo PD. The RhoA-binding protein, rhophilin-2, regulates actin cytoskeleton organization. J Biol Chem. 2002 Nov 15;277(46):43924-32..PMID: 12221077 ->

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**