

## Goat anti-VPS45 (Internal) Antibody

<b>Item Number</b>	dAP-0718
<b>Target Molecule</b>	Principle Name: VPS45 (Internal); Official Symbol: VPS45; All Names and Symbols: VPS45A; HGNC:14579; H1; H1VPS45; VPS45; VPS45B; VPS54A; VSP45; VSP45A ; leucocyte vacuolar protein sorting 45; vacuolar protein sorting 45A; vacuolar protein sorting 45A (yeast homolog); vacuolar protein sorting 45B (yeast); vacuolar protein sorting 45 ho; Accession Number (s): NP_009190.2; Human Gene ID (s): 11311; Non-Human GeneID(s):
<b>Immunogen</b>	FQKKKPKEQQKLES, is from internal region
<b>Applications</b>	Pep ELISA, WB, IHC Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 55kDa band observed in Human Placenta lysates (calculated MW of 65.1kDa according to NP_009190.2). Recommended concentration: 0.03-0.1 µg/ml.
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Spleen. Recommended concentration: 2.5µg/ml.
<b>Reference</b>	Reference(s): Nielsen E, Christoforidis S, Uttenweiler-Joseph S, Miaczynska M, Dewitte F, Wilm M, Hoflack B, Zerial M. Rabenosyn-5, a novel Rab5 effector, is complexed with hVPS45 and recruited to endosomes through a FYVE finger domain. <i>J Cell Biol.</i> 2000 Oct 30;151(3):601-12. .PMID: 11062261 ->

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 end users! This product is sold for **Research Use Only**