

Goat anti-DOC2A (aa233-246) Antibody

Item Number	dAP-2535
Target Molecule	Principle Name: DOC2A (aa233-246); Official Symbol: DOC2A; All Names and Symbols: DOC2A; double C2-like domains, alpha; Doc2; doc2-alpha; double C2-like domain-containing protein alpha; Accession Number (s): NP_003577.2; Human Gene ID(s): 8448; Non-Human GeneID(s): 13446 (mouse) 65031 (rat)
Immunogen	SCYLKELEQAEQGQQ, is from internal region
Applications	Pep ELISA Species Tested:
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: Preliminary experiments gave an approx 50kDa band in Human, Mouse and Rat Brain lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculation.
IHC	
Reference	Reference(s): Higashio H, Nishimura N, Ishizaki H, Miyoshi J, Orita S, Sakane A, Sasaki T. Doc2 alpha and Munc13-4 regulate Ca(2+) -dependent secretory lysosome exocytosis in mast cells. J Immunol. 2008 Apr 1;180(7):4774-84.. PMID: 18354201->

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**