

Goat anti-PDE4D Antibody

Item Number	dAP-0760
Target Molecule	Principle Name: PDE4D; Official Symbol: PDE4D; All Names and Symbols: PDE4D; phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila); HGNC:8783; DPDE3; HSPDE4D; PDE4DN2; STRK1; cAMP-specific phosphodiesterase 4D; cAMP-specific phosphodiesterase PDE4D6; dunce-like phosphodiesterase E3; phosphodie; Accession Number (s): NP_001184151.1; NP_001184150.1; NP_006194.2; NP_001098101.1; NP_001184152.1; NP_001159371.1; Human Gene ID
Immunogen	QPEACVIDDRSPDT, is from C Terminus This antibody is expected to recognize all reported isoforms.
Applications	Pep ELISA, WB Trf, IHC, EIA 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 128000.
Western Blot	Western Blot: Approx 70+80+90kDa bands observed in lysates of cell line A549. In transfected COS1 transiently expressing PDE4D1 and PDE4D3 bands of approx. 68kDa and 95kDa are observed. These bands are not observed in the untransfected COS1. Calculated
IHC	Immunohistochemistry: Paraffin embedded Human Skeletal Muscle and Heart. Recommended concentration: 5µg/ml.
Reference	Reference(s): Houslay MD. The long and short of vascular smooth muscle phosphodiesterase-4 as a putative therapeutic target. Mol Pharmacol. 2005 Sep;68(3):563-7..PMID: 15958394->

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**