



Goat anti-ABCD4 Antibody

Item Number	dAP-1514
Target Molecule	Principle Name: ABCD4; Official Symbol: ABCD4; All Names and Symbols: ABCD4; ATP-binding cassette, sub-family D (ALD), member 4; ABC41; EST352188; P70R; P79R; PMP69; PXMP1L; ATP-binding cassette, sub-family D, member 4; peroxisomal membrane protein 1-like; Accession Number (s): NP_005041.1; Human Gene ID(s): 5826; Non-Human GeneID(s): 19300 (mouse) 299196 (rat)
Immunogen	RDDIDNPDQRISQD, is from internal region Reported variants represent identical protein: NP_064719.1 NP_064731.1 NP_064720.1 NP_064730.1
Applications	Pep ELISA, WB, 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 8000.
Western Blot	Western Blot: Approx 70kDa band observed in lysates of cell lines Jurkat and MOLT4 (calculated MW of 68.6kDa according to NP_005041.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Testis and Kidney. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Asheuer M, Bieche I, Laurendeau I, Moser A, Hainque B, Vidaud M, Aubourg P. Decreased expression of ABCD4 and BG1 genes early in the pathogenesis of X-linked adrenoleukodystrophy. Hum Mol Genet. 2005 May 15;14(10):1293-303.PMID: 15800013->

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**