

## Goat anti-ALMS1 Antibody

<b>Item Number</b>	dAP-0182
<b>Target Molecule</b>	Principle Name: ALMS1; Official Symbol: ALMS1; All Names and Symbols: ALMS1; Alstrom syndrome 1; ALSS; KIAA0328; DKFZp686A118; DKFZp686D1828; Accession Number (s): NP_055935.4; Human Gene ID(s): 7840; Non-Human GenelD(s): 236266 (mouse) 297408 (rat)
<b>Immunogen</b>	RVTNQLLGRKVPWD, is from C Terminus The C terminus of ALMS1 shares an 8 amino acid stretch with two other human proteins: hypothetical protein (XP_169104) and ERAL1 (NP_005693). However, this stretch is located internally in these two proteins.
<b>Applications</b>	Pep ELISA, 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: Preliminary experiments gave bands at approx 200kDa and 75kDa in lysates of Human T cell line Jurkat after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Testis shows staining of cytoplasm in spermatocytes. Recommended concentration: 1-3µg/ml.
<b>Reference</b>	Reference(s): Collin GB, Marshall JD, Ikeda A, So WV, Russell-Eggett I, Maffei P, Beck S, Boerkoel CF, Siculo N, Martin M, Nishina PM, Naggert JK. Mutations in ALMS1 cause obesity, type 2 diabetes and neurosensory degeneration in Alstrom syndrome. Nat Genet. 2002 May;31(1):74-8. PMID: 11941369 ->

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**