



Everest Biotech Ltd  
Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD, United Kingdom

[everestbiotech.com](http://everestbiotech.com)

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel +44 1869 238326

Fax +44 1869 238327

**Research Use Only. Not for diagnostic or therapeutic use.**

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB05881 - Goat Anti-ALMS1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DKFZp686D1828, DKFZp686A118, KIAA0328, ALSS, Alstrom syndrome 1, ALMS1

**Official Symbol:** ALMS1

**Accession Number(s):** NP\_055935.4

**Human GeneID(s):** [7840](#)

**Non-Human GeneID(s):** 236266 (mouse), 297408 (rat)

**Important Comments:** 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 and so will most likely not cross-react with this antibody. The N terminus was not chosen as the peptide is expected to cyclise during synthesis.

### Immunogen

Peptide with sequence C-RVTNQLLGRKVPWD, from the C Terminus of the protein sequence according to NP\_055935.4.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

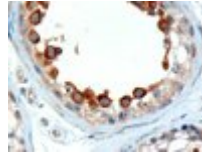
**Western blot:** Preliminary experiments gave bands at approx 200kDa and 75kDa in lysates of Human T cell line Jurkat after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 461kDa according to NP\_055935.3. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** In paraffin embedded Human Testis shows staining of cytoplasm in spermatocytes. Recommended concentration, 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



EB05881 (2µg/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.