

UK Office

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries: info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona, CA 92065 USA

Inquiries: info@everestbiotech.com Sales: usasales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB08711 - Goat Anti-ABCD4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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 Official Symbol: ABCD4 Accession Number(s): NP_005041.1 Human GenelD(s): <u>5826</u> Non-Human GenelD(s): 19300 (mouse), 299196 (rat) Important Comments: Reported variants represent identical protein: NP_064719.1 NP_064731.1 NP_064720.1 NP_064730.1

Immunogen

Peptide with sequence C-RDDIDNPDQRISQD, from the internal region of the protein sequence according to NP_005041.1.

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

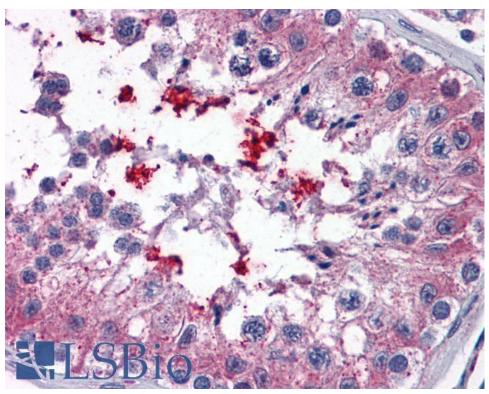
Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx 70kDa band observed in lysates of cell lines Jurkat and MOLT4 (calculated MW of 68.6kDa according to NP_005041.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC: Paraffin embedded Human Testis and Kidney. Recommended concentration: 3.75µg/ml.

Species Reactivity

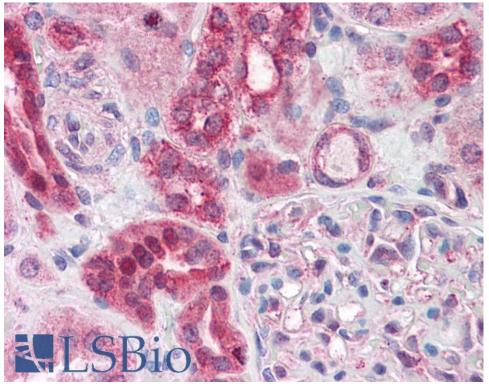
Tested: Human Expected from sequence similarity: Human, Mouse, Rat, Dog

250kDa 150kDa 100kDa
 75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

 $\mathsf{EB08711} \ (0.3 \mu g/ml) \ \text{staining of Jurkat lysate} \ (35 \mu g \ \text{protein in RIPA buffer}). \ \mathsf{Detected with chemiluminescence}.$



EB08711 (3.75µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08711 (3.75µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.