

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:

 $\underline{usasales@everest biotech.com}$

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 GeneID(s): 5826

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.

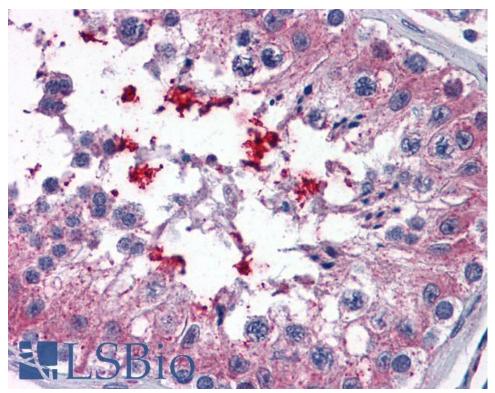
Species Reactivity

Tested: Human

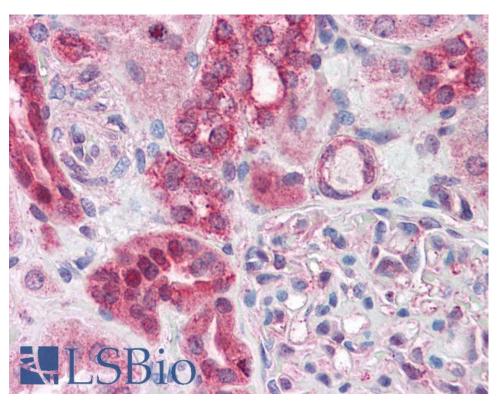
Expected from sequence similarity: Human, Mouse, Rat, Dog

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

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



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



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