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# **US Office**

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# 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**

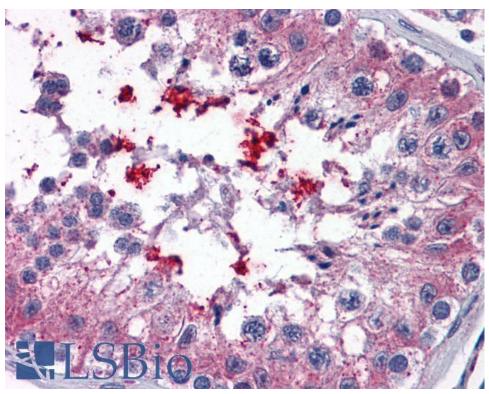
Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx 70kDa band observed in lysates of cell lines Jurkat and MOLT4 (calculated MW of 68.6kDa according to NP\_005041.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC: Paraffin embedded Human Testis and Kidney. Recommended concentration: 3.75µg/ml.

### **Species Reactivity**

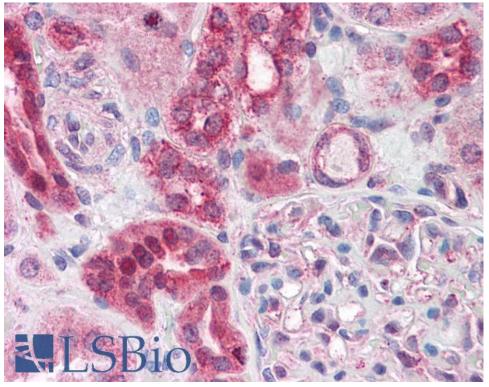
Tested: Human Expected from sequence similarity: Human, Mouse, Rat, Dog

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.