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Research Use Only. Not for diagnostic or therapeutic use.

## EB08962 - Goat Anti-PACE4 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** PCSK6, proprotein convertase subtilisin/kexin type 6, PACE4, SPC4, paired basic amino acid cleaving system 4, subtilisin-like proprotein convertase 4, subtilisin-like protease, subtilisin/kexin-like protease PACE4

Official Symbol: PCSK6

Accession Number(s): NP\_002561.1; NP\_612192.1; NP\_612195.1; NP\_612197.1;

NP\_612196.1; NP\_612198.2; NP\_612193.1; NP\_612194.1

Human GeneID(s): 5046

**Non-Human GenelD(s):** 18553 (mouse), 25507 (rat)

 $\textbf{Important Comments:} \ This \ antibody \ is \ expected \ to \ recognize \ reported \ isoforms \ a, \ b, \ g, \ h$ 

(NP\_002561.1; NP\_612192.1; NP\_612193.1; NP\_612194.1 resp.).

### **Immunogen**

Peptide with sequence PDCEPGTYFDSE, from the internal region of the protein sequence according to NP\_002561.1; NP\_612192.1; NP\_612195.1; NP\_612197.1; NP\_612196.1; NP\_612198.2; NP\_612193.1; NP\_612194.1.

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.

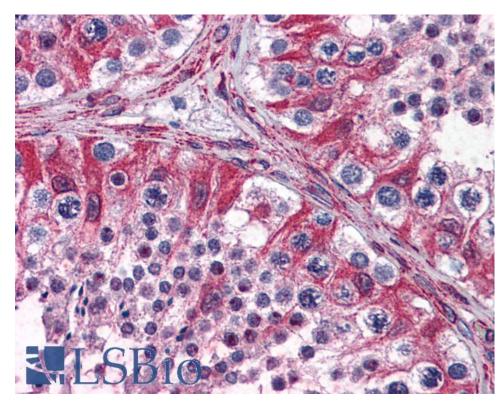
**Western blot:** Preliminary experiments gave an approx. 70kDa band in Human, Mouse and Rat Liver lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated sizes of 105 to 107kDa according to NP\_002561.1, NP\_612192.1, NP\_612193.1 and NP\_612194.1. The 70kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Testis and Skeletal Muscle. Recommended concentration: 3.75µg/ml.

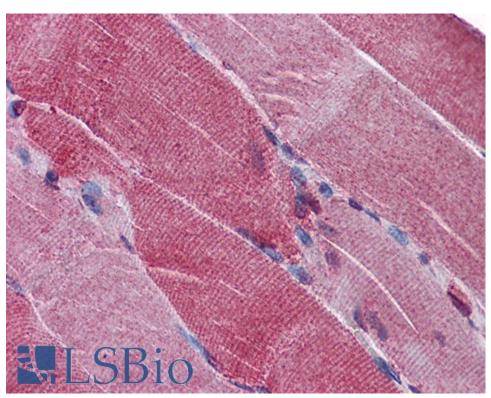
### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



 $EB08962~(3.75 \mu g/ml)~staining~of~paraffin~embedded~Human~Testis.~Steamed~antigen~retrieval~with~citrate~buffer~pH~6,~AP-staining.$ 



 $EB08962\ (3.75\mu g/ml)\ staining\ of\ paraffin\ embedded\ Human\ Skeletal\ Muscle.\ Steamed\ antigen\ retrieval\ with$  citrate buffer pH 6, AP-staining.