

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB09084 - Goat Anti-ITIH4 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** ITIH4, inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein), DKFZp686G21125, H4P, IHRP, ITIHL1, PK120, inter-alpha (globulin)

inhibitor H4, plasma kallikrein-sensitive glycoprotein

Official Symbol: ITIH4

Accession Number(s): NP\_002209.2

Human GeneID(s): 3700

Important Comments: The immunizing peptide represents a region of the 35kDa chain.

This chain is glycosylated giving rise to an apparent higher molecular weight.

## Immunogen

Peptide with sequence ERLCVDPRHRQGPVN, from the internal region of the protein sequence according to NP\_002209.2.

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 1:16000.

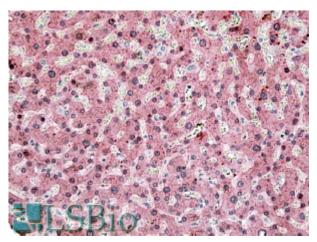
Western blot: Preliminary experiments gave an approx. 150kDa band in Human Liver and Lung lysates after 0.03µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 103kDa according to NP\_002209.2. The 150kDa band was successfully blocked by incubation with the immunizing peptide. 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 Liver shows vesicular staining in the cytoplasm of hepatocytes. Recommended concentration, 4-6µg/ml.

### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human



EB09084 (3.8μg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.