



## International Office

### Everest Biotech Ltd

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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.

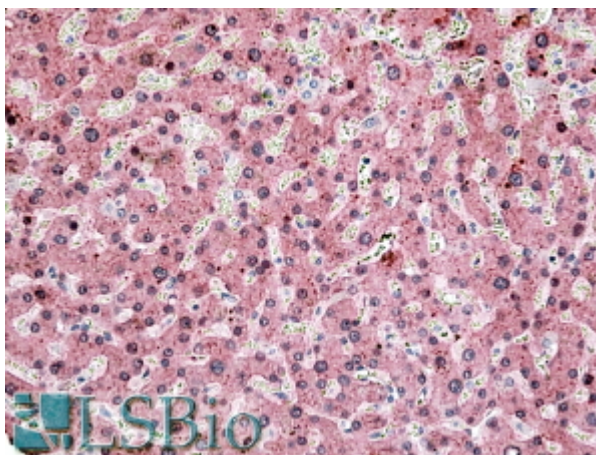
**Western blot:** Preliminary experiments gave an approx. 150kDa band in Human Liver and Lung lysates after 0.03µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 103kDa according to NP\_002209.2. The 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.