

Goat anti-ITIH4 Antibody

Item Number	dAP-1668
Target Molecule	Principle Name: ITIH4; Official Symbol: ITIH4; All Names and Symbols: ITIH4; inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein); DKFZp686G21125; H4P; IHRP; ITIHL1; PK120; inter-alpha (globulin) inhibitor H4; plasma kallikrein-sensitive glycoprotein; Accession Number (s): NP_002209.2; Human Gene ID(s): 3700; Non-Human GeneID(s):
Immunogen	ERLCVDPRHRQGPVN, is from internal region The immunizing peptide represents a region of the 35kDa chain. This chain is glycosylated giving rise to an apparent higher molecular weight.
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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 s
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows vesicular staining in the cytoplasm of hepatocytes. Recommended concentration, 4-6µg/ml.
Reference	Reference(s): Tang Y, Kitisin K, Jogunoori W, Li C, Deng CX, Mueller SC, Ressom HW, Rashid A, He AR, Mendelson JS, Jessup JM, Shetty K, Zasloff M, Mishra B, Reddy EP, Johnson L, Mishra L. Progenitor/stem cells give rise to liver cancer due to aberrant TGF-beta and IL-6 signaling. Proc Natl Acad Sci U S A. 2008

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**