

ITI-H3 polyclonal antibody

Catalog: BS60741

Host: Rabbit

Reactivity: Human

BackGround:

The inter- α trypsin inhibitor (ITI) family is a group of structurally related

plasma serine protease inhibitors synthesized in the liver and built up from different combinations of three highly homologous heavy chains (ITI-H1, ITI-H2 and ITI-H3) and one light chain (Bikunin). A fourth member of the ITI family, ITI-H4 (also known as I α IH4P) harbors a Pro-rich region (PRR) in its C-terminus. ITI is a glycoprotein composed of three polypeptides linked by chondroitin sulphate: two heavy chains, ITI-H1 and ITI-H2, and Bikunin. Bikunin confers the protease-inhibitor function of ITI. The heavy chains of the ITI family, designated as SHAPs (for serum-derived hyaluronan-associated proteins), bind covalently to hyaluronic acid (HA), resulting in pericellular matrix stabilization. Although ITI-H1, ITI-H3 and Bikunin have antitumoral and antimetastatic properties in the cell, these proteins are also associated with malignant transformation of lung tissue. ITI-H3 and Bikunin associate to form pre- α -trypsin inhibitor (PaI), a serine-proteinase inhibitor found in human serum. ITI-H3 mRNA levels increase in response to IL-6.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 100 kDa

Swiss-Prot:

Q06033

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ITI-H3 polyclonal antibody detects endogenous levels of ITI-H3 protein.

DATA:



Western blot (WB) analysis of ITI-H3 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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