bs-9914R

[Primary Antibody]

BIOSS ANTIBODIES www.bioss.com.cn

ITIH4 Rabbit pAb

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 3700 **SWISS:** Q14624

Target: ITIH4

Immunogen: KLH conjugated synthetic peptide derived from human ITIH4:

1-100/930.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: The inter-alpha-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-HI, ITI-H2 and ITI-H3) and one light chain (Bikunin). Another member of the ITI family, ITI-H4, harbors a proline-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 hyaluronanassociated proteins), bind covalently to hyaluronic acid (HA), resulting in pericellular matrix stabilization. While the ITI family is primarily composed of multi-polypeptide molecules, ITI-H4 is a single chain molecule. Unlike other ITI family members, the gene transcriptions and products for rat and human ITI-H4 demonstrate marked differences, suggesting possible species-specific functions for ITI-H4. The gene encoding human ITI-H4 maps to chromosome

Applications: ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat)

Predicted 71 kDa

Subcellular Location: Secreted

— SELECTED CITATIONS —

3p21.1.

• [IF=3.15] Yang Zhai. et al. Construction of the optimization prognostic model based on differentially expressed immune genes of lung adenocarcinoma. Bmc Cancer. 2021 Dec;21(1):1-13 IHC; Human. 33648465