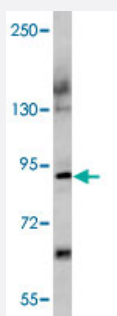


ST14 polyclonal antibody

Catalog # PAB4828

Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue lysate (35 ug/lane) with ST14 polyclonal antibody (Cat # PAB4828).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ST14.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human ST14.
Host	Rabbit
Reactivity	Mouse
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue lysate (35 ug/lane) with ST14 polyclonal antibody (Cat # PAB4828).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ST14

Entrez GeneID [6768](#)

Protein Accession# [NP_068813](#)

Gene Name ST14

Gene Alias HAI, MT-SP1, MTSP-1, MTSP1, PRSS14, SNC19, TADG-15

Gene Description suppression of tumorigenicity 14 (colon carcinoma)

Omim ID [606797 610765](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate heparocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis. [provided by RefSeq]

Other Designations epithin|matriptase|membrane-type serine protease|serine protease TADG-15|suppression of tumorigenicity 14|suppression of tumorigenicity 14 (colon carcinoma, matriptase, epithin)|tumor associated differentially expressed gene 15 protein

Publication Reference

- [The novel serine protease tumor-associated differentially expressed gene-15 \(matriptase/MT-SP1\) is highly overexpressed in cervical carcinoma.](#)

Santin AD, Cane' S, Bellone S, Bignotti E, Palmieri M, De Las Casas LE, Anfossi S, Roman JJ, O'Brien T, Pecorelli S.
Cancer 2003 Nov; 98(9):1898.

Application: IHC-P, Human, Human cervical carcinoma

- [The activation of matriptase requires its noncatalytic domains, serine protease domain, and its cognate inhibitor.](#)

Oberst MD, Williams CA, Dickson RB, Johnson MD, Lin CY.
The Journal of Biological Chemistry 2003 Jul; 278(29):26773.

Application: WB, Human, BT549 cells

- [Prometastatic effect of N-acetylglucosaminyltransferase V is due to modification and stabilization of active matriptase by adding beta 1-6 GlcNAc branching.](#)

Ihara S, Miyoshi E, Ko JH, Murata K, Nakahara S, Honke K, Dickson RB, Lin CY, Taniguchi N.
The Journal of Biological Chemistry 2002 May; 277(19):16960.

Application: Flow Cyt, WB, Human, MKN45 cells

Disease

- [Tobacco Use Disorder](#)