BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Matriptase Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05248
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ST14. AA range:10-59
Mol wt	94770
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	Matriptase Antibody
Synonyms	ST14; PRSS14; SNC19; TADG15; Suppressor of tumorigenicity 14 protein; Matriptase; Membrane-type serine protease 1; MT-SP1; Prostamin; Serine protease 14; Serine protease TADG-15; Tumor-associated diff

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Suppressor of tumorigenicity 14 protein encoded by ST14 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 hepatocyte 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.

Recommended Dilution

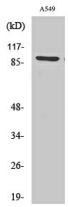
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

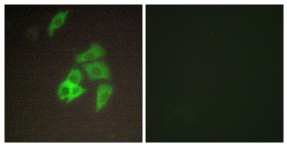
ELISA: 1: 10000

Not yet tested in other applications.

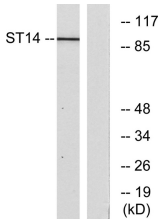
Images



Western Blot analysis of various cells using Matriptase Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using ST14 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A549 cells, using ST14 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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