

Matriptase (K21) polyclonal antibody

Catalog: BS2574

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Matriptase (also known as MT-SP1, ST14, prostamin and epithin in mouse) is a tumor-associated type II trans-membrane serine protease that is highly expressed in many human cancer-derived cell lines and is implicated in extracellular matrix re-modeling, tumor growth, and metastasis. Matriptase performs pleiotropic functions in the development of the epidermis, hair follicles, and cellular immune system. Sphingosine 1-phosphate (S1P, SPP), present in serum-derived lipoproteins, activates matriptase while matriptase activates both urokinase-type plasminogen activator and hepatocyte growth factor (HGF). Hepatocyte growth factor activator inhibitor type 1 (HAI-1) is a Kunitz-type serine protease inhibitor identified as a strong inhibitor of matriptase and HGF.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 90 kDa

Swiss-Prot:

Q9Y5Y6

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

IHC/IF: 1:50~1:200

IP: 1:10~1:100

Storage&Stability:

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

Specificity:

Matriptase (K21) polyclonal antibody detects endogenous levels of Matriptase protein.

DATA:



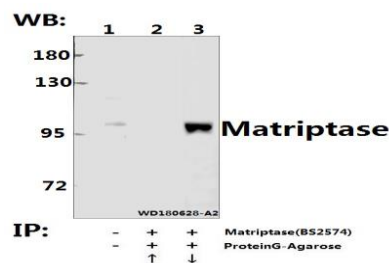
Western blot (WB) analysis of Matriptase (K21) pAb at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:CT26 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:PC3 whole cell lysate(40ug)



Immunoprecipitation of HEK293T cell lysate using Matriptase (K21) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3). Lane 1 is 30% input. The western blot was probed using Matriptase (K21) #BS2574. “↑” (supernatant) ; “↓” (deposition)

Note:

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

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