



Seprase rabbit pAb

Cat No.:ES5204

For research use only

Overview

Product Name	Seprase rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human FAP-1. AA range:331-380
Specificity	Seprase Polyclonal Antibody detects endogenous levels of Seprase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Seprase
Gene Name	FAP
Cellular localization	[Prolyl endopeptidase FAP]: Cell surface . Cell membrane ; Single-pass type II membrane protein . Cell projection, lamellipodium membrane ; Single-pass type II membrane protein . Cell projection, invadopodium membrane ; Single-pass type II membrane protein . Cell projection, ruffle membrane ; Single-pass type II membrane protein . Membrane ; Single-pass type II membrane protein . Localized on cell surface with lamellipodia and invadopodia membranes and on shed vesicles. Colocalized with DPP4 at invadopodia and lamellipodia membranes of migratory activated endothelial cells in collagenous matrix. Colocalized with DPP4 on endothelial cells of capillary-like microvessels but not large vessels within invasive breast ductal carcinoma. Anchored and enriched





Purification

preferentially by integrin alpha-3/bet

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality

Polyclonal

Concentration

1 mg/ml

Observed band

90kD

Human Gene ID

2191

Human Swiss-Prot Number

Q12884

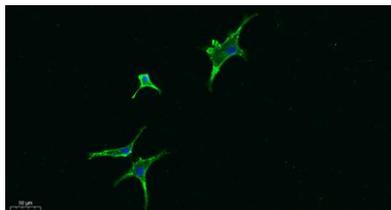
Alternative Names

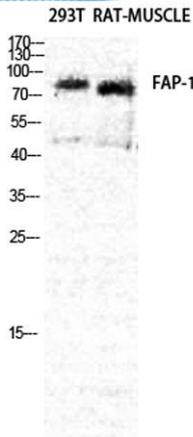
FAP; Seprase; 170 kDa melanoma membrane-bound gelatinase; Fibroblast activation protein alpha; Integral membrane serine protease

Background

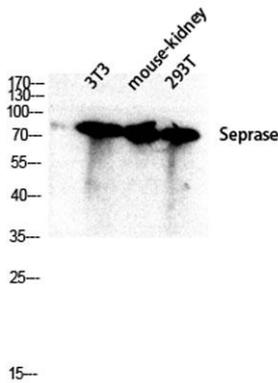
The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014],

Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.

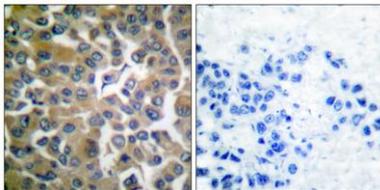




Western Blot analysis of RAT-MUSCLE 293T cells using Seprase Polyclonal Antibody diluted at 1:2000



Western blot analysis of 3T3 mouse-kidney 293T cells using Seprase antibody. Antibody was diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using FAP-1 Antibody. The picture on the right is blocked with the synthesized peptide.

