

FAP Rabbit pAb

CatalogNo: YT4244

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 90kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC: 1:100-300

ELISA 1:20000

IF 1:100-300

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

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.

| Target Information

Gene name FAP

Protein Name Seprase

Organism	Gene ID	UniProt ID
Human	2191 ;	Q12884 ;
Mouse	14089 ;	P97321 ;

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 preferentially by integrin alpha-3/beta-1 at invadopodia, plasma membrane protrusions that correspond to sites of cell invasion, in a collagen-dependent manner. Localized at plasma and ruffle membranes in a collagen-independent manner. Colocalized with PLAUR preferentially at the cell surface of invadopodia membranes in a cytoskeleton-, integrin- and vitronectin-dependent manner. Concentrated at invadopodia membranes, specialized protrusions of the ventral plasma membrane in a fibroectin-dependent manner. Colocalizes with extracellular components (ECM), such as collagen fibers and fibronectin. .; [Anti-plasmin-cleaving enzyme FAP, soluble form]: Secreted . Found in blood plasma and serum. .; [Isoform 2]: Cytoplasm .

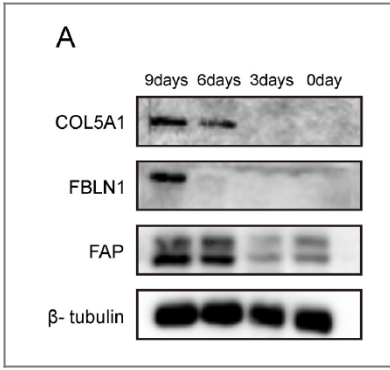
Tissue specificity

Expressed in adipose tissue. Expressed in the dermal fibroblasts in the fetal skin. Expressed in the granulation tissue of healing wounds and on reactive stromal fibroblast in epithelial cancers. Expressed in activated fibroblast-like synoviocytes from inflamed synovial tissues. Expressed in activated hepatic stellate cells (HSC) and myofibroblasts from cirrhotic liver, but not detected in normal liver. Expressed in glioma cells (at protein level). Expressed in glioblastomas and glioma cells. Isoform 1 and isoform 2 are expressed in melanoma, carcinoma and fibroblast cell lines.

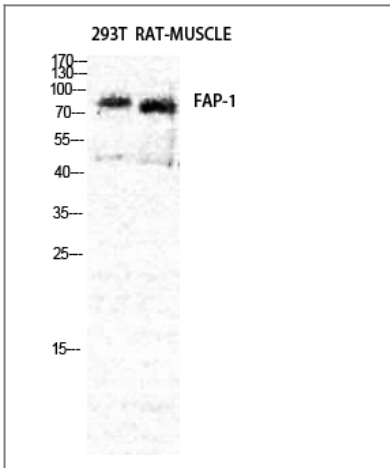
Function

Catalytic activity:Degrades gelatin and heat-denatured type I and type IV collagen, but not native type I or type IV collagen. Does not cleave laminin, fibronectin, fibrin or casein.,Function:May have a role in tissue remodeling during development and wound healing, and may contribute to invasiveness in malignant cancers.,induction:In fibroblasts at times and sites of tissue remodeling during development, tissue repair, and carcinogenesis.,PTM:N-glycosylated.,PTM:The N-terminus may be blocked.,similarity:Belongs to the peptidase S9B family.,subcellular location:Found in cell surface lamellipodia, invadopodia and on shed vesicles.,subunit:Homodimer, or heterodimer with DPP4. The monomer is inactive.,tissue specificity:Fibroblast specific.,

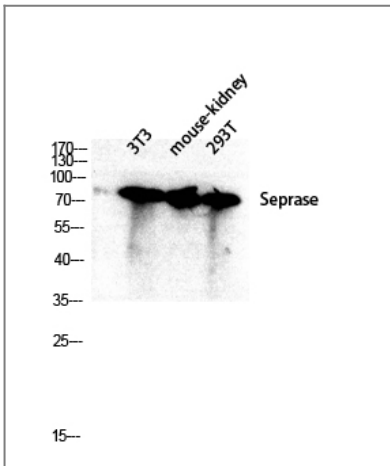
| Validation Data



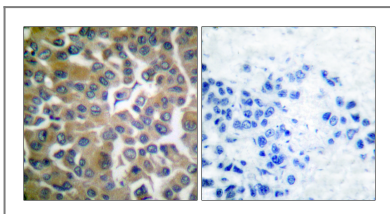
Identification and targeting of cancer-associated fibroblast signature genes for prognosis and therapy in Cutaneous melanoma. COMPUTERS IN BIOLOGY AND MEDICINE Degui Wang WB, IF Mouse 1:500,1:50 NIH/3T3 cell



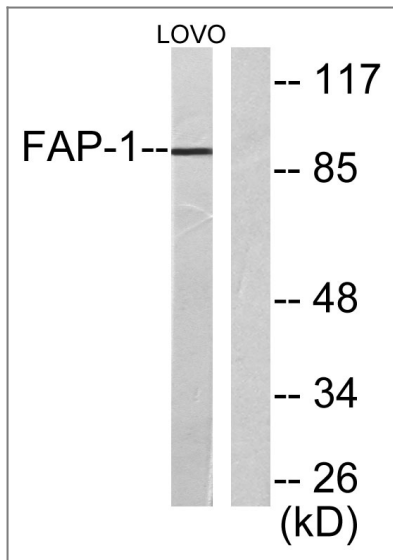
Western Blot analysis of RAT-MUSCLE 293T cells using Seprase Polyclonal Antibody diluted at 1:2000



Western blot analysis of 3T3 mouse-kidney 293T lysis 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.



Western blot analysis of lysates from LOVO cells, using FAP-1 Antibody. The lane on the right is blocked with the synthesized peptide.

Contact information

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Please scan the QR code to access additional product information:
FAP Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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