

Datasheet for ABIN7602234
anti-FAP antibody (AA 65-580)



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Overview

Quantity:	100 µg
Target:	FAP
Binding Specificity:	AA 65-580
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Fibroblast activation protein, alpha/FAP Antibody Picoband®
Immunogen:	E.coli-derived human Fibroblast activation protein, alpha/FAP recombinant protein (Position: Q65-Q580).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Fibroblast activation protein, alpha/FAP Antibody Picoband® (ABIN7602234). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	FAP
Alternative Name:	FAP (FAP Products)
Background:	Synonyms: Prolyl endopeptidase FAP 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. Background: Fibroblast activation protein alpha (FAP-alpha) also known as prolyl endopeptidase FAP is an enzyme that in humans is encoded by the FAP gene. 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.
Molecular Weight:	97 kDa
Gene ID:	2191
UniProt:	Q12884
Pathways:	Tube Formation

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Goldstein, L. A., Gherzi, G., Pineiro-Sanchez, M. L., Salamone, M., Yeh, Y., Flessate, D., Chen, W.-T. Molecular cloning of seprase: a serine integral membrane protease from human melanoma. <i>Biochim. Biophys. Acta</i> 1361: 11-19, 1997. 2. Kraman, M., Bambrough, P. J., Arnold, J. N., Roberts, E. W., Magiera, L., Jones, J. O., Gopinathan, A., Tuveson, D. A., Fearon, D. T. Suppression of antitumor immunity by stromal cells expressing fibroblast activation protein-
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Application Details

alpha. Science 330: 827-830, 2010. 3. Mathew, S., Scanlan, M. J., Mohan Raj, B. K., Murty, V. V. V. S., Garin-Chesa, P., Old, L. J., Rettig, W. J., Chaganti, R. S. K. The gene for fibroblast activation protein alpha (FAP), a putative cell surface-bound serine protease expressed in cancer stroma and wound healing, maps to chromosome band 2q23. Genomics 25: 335-337, 1995.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.