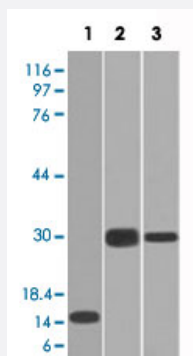


ELA3B monoclonal antibody, clone CELA3B/1218

Catalog # MAB14530

Size 100 ug

Applications



Western Blot

Western Blot analysis of Lane 1: recombinant protein, Lane 2: Panc-28 cell and Lane 3: PANC1 cell lysates with ELA3B monoclonal antibody, clone CELA3B/1218 (Cat # MAB14530).

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human ELA3B.

Immunogen Recombinant protein corresponding to amino acids 82-238 of human ELA3B.

Host Mouse

Theoretical MW (kDa) ~17

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1, kappa

Recommend Usage

- Flow Cytometry (0.5-1 ug/10⁶ cells)
- Immunofluorescence (0.5-1 ug/mL)
- Western Blotting (0.5-1 ug/mL)
- The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: recombinant protein, Lane 2: Panc-28 cell and Lane 3: PANC1 cell lysates with ELA3B monoclonal antibody, clone CELA3B/1218 (Cat # MAB14530).

- Immunofluorescence

- Flow Cytometry

Gene Info — ELA3B

Entrez GeneID

[23436](#)

Protein Accession#

[P08861](#)

Gene Name

ELA3B

Gene Alias

-

Gene Description

elastase 3B, pancreatic

Gene Ontology

[Hyperlink](#)

Gene Summary

Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins after alanine residues. Elastase 3B may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function in clinical assays. [provided by RefSeq

Other Designations

OTTHUMP00000002837|elastase 1|elastase 3B|protease E

Publication Reference

- [Pancreatic elastase IIIA and its variants are expressed in pancreatic carcinoma cells.](#)

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- [Molecular cloning of complementary DNA encoding one of the human pancreatic protease E isozymes.](#)

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Journal of Biochemistry 1988 Aug; 104(2):259.

- [Identification of a novel class of elastase isozyme, human pancreatic elastase III, by cDNA and genomic gene cloning.](#)

Tani T, Ohsumi J, Mita K, Takiguchi Y.

The Journal of Biological Chemistry 1998 Jan; 263(3):1231.