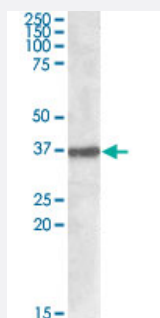


SUMF1 polyclonal antibody

Catalog # PAB17245 Size 100 ug

Applications



Western Blot (Tissue lysate)

SUMF1 polyclonal antibody (Cat # PAB17245) (1 ug/mL) staining of mouse pancreas lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SUMF1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human SUMF1.
Sequence	C-ETLNPKGPPSGKDR
Host	Goat
Theoretical MW (kDa)	40.6
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Western Blot (Tissue lysate)

SUMF1 polyclonal antibody (Cat # PAB17245) (1 ug/mL) staining of mouse pancreas lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SUMF1

Entrez GeneID[285362](#)**Protein Accession#**[NP_877437.2](#)**Gene Name**

SUMF1

Gene Alias

AAPA3037, FGE, MGC131853, MGC150436

Gene Description

sulfatase modifying factor 1

Omim ID[272200 607939](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes an enzyme that catalyzes the hydrolysis of sulfate esters by oxidizing a cysteine residue in the substrate sulfatase to an active site 3-oxoalanine residue, which is also known as C-alpha-formylglycine. Mutations in this gene cause multiple sulfatase deficiency, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

C-alpha-formylglycine-generating enzyme|OTTHUMP00000115300

Publication Reference

- [Characterization of the arylsulfatase I \(ARSI\) gene preferentially expressed in the human retinal pigment epithelium cell line ARPE-19.](#)

Oshikawa M, Usami R, Kato S.

Molecular Vision 2009 Mar; 15:482.

Disease

- [Multiple Sclerosis](#)