

SUMF1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15072**Specification****SUMF1 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	Q8NBK3
Other Accession	NM_182760 , NP_877437
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa

SUMF1 antibody - C-terminal region - Additional Information**Gene ID** 285362**Alias Symbol** AAPA3037, FGE, MGC131853, MGC150436, UNQ3037**Other Names**

Sulfatase-modifying factor 1, 1.8.99.-, C-alpha-formylglycine-generating enzyme 1, SUMF1, FGE

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SUMF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SUMF1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SUMF1 antibody - C-terminal region - Protein Information**Name** SUMF1 {ECO:0000303|PubMed:12757706, ECO:0000312|HGNC:HGNC:20376}**Function**

Oxidase that catalyzes the conversion of cysteine to 3- oxoalanine on target proteins, using molecular oxygen and an unidentified reducing agent (PubMed:12757706, PubMed:15657036, PubMed:15907468, PubMed:16368756, PubMed:16368756, PubMed:16368756).

href="http://www.uniprot.org/citations/21224894" target="_blank">21224894, PubMed:25931126). 3-oxoalanine modification, which is also named formylglycine (fGly), occurs in the maturation of arylsulfatases and some alkaline phosphatases that use the hydrated form of 3-oxoalanine as a catalytic nucleophile (PubMed:12757706, PubMed:15657036, PubMed:15907468, PubMed:16368756, PubMed:25931126). Known substrates include GALNS, ARSA, STS and ARSE (PubMed:12757706, PubMed:15657036, PubMed:15907468).

Cellular Location

Endoplasmic reticulum lumen

Tissue Location

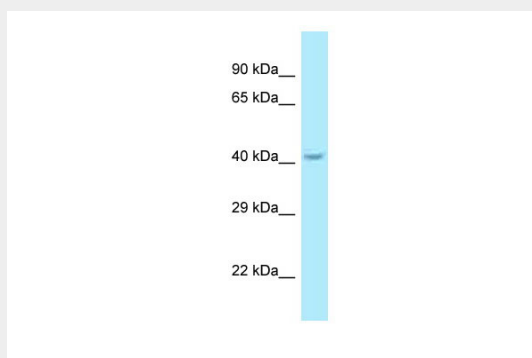
Ubiquitous. Highly expressed in kidney, pancreas and liver. Detected at lower levels in leukocytes, lung, placenta, small intestine, skeletal muscle and heart

SUMF1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SUMF1 antibody - C-terminal region - Images



WB Suggested Anti-SUMF1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Liver

SUMF1 antibody - C-terminal region - References

Dierks T.,et al.Cell 113:435-444(2003).
Cosma M.P.,et al.Cell 113:445-456(2003).

Oshikawa M.,et al.Mol. Vis. 15:482-494(2009).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).