

## ARG45290 anti-SUMF2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Polyclonal antibody recognizes SUMF2
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	SUMF2
Species	Human
Immunogen	Recombinant protein containing to human SUMF2.
Conjugation	Un-conjugated
Alternate Names	SUMF2; Sulfatase Modifying Factor 2; Inactive C-Alpha-Formylglycine-Generating Enzyme 2; Paralog Of Formylglycine-Generating Enzyme; DKFZp566l1024; PFGE; Paralog Of The Formylglycine-Generating Enzyme; Epididymis Secretory Sperm Binding Protein; C-Alpha-Formylglycine-Generating Enzyme 2; C-Alpha-Formylglycine-Generating Enzyme 2; Sulfatase-Modifying Factor 2

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	36 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

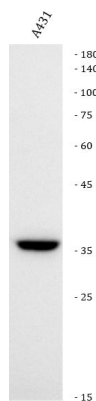
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

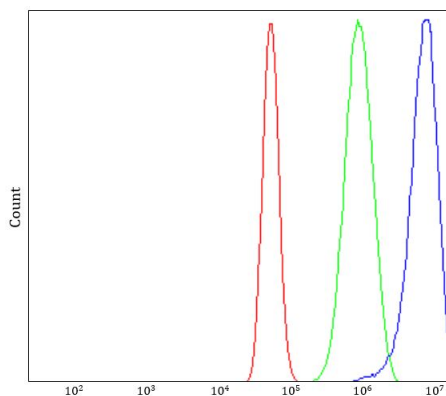
Gene Symbol	SUMF2
Gene Full Name	Sulfatase Modifying Factor 2
Background	The catalytic sites of sulfatases are only active if they contain a unique amino acid, C-alpha-formylglycine (FGly). The FGly residue is posttranslationally generated from a cysteine by enzymes with FGly-generating activity. The gene described in this record is a member of the sulfatase-modifying factor family and encodes a protein with a DUF323 domain that localizes to the lumen of the endoplasmic reticulum. This protein has low levels of FGly-generating activity but can heterodimerize with another family member - a protein with high levels of FGly-generating activity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Function	Lacks formylglycine generating activity and is unable to convert newly synthesized inactive sulfatases to their active form. Inhibits the activation of sulfatases by SUMF1. [UniProt]
Calculated Mw	33 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Membrane; Mitochondrion; Mitochondrion inner membrane. [UniProt]

## Images



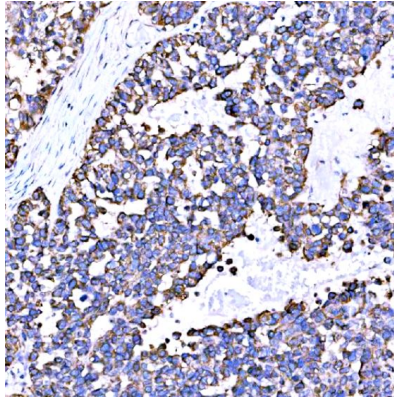
ARG45290 anti-SUMF2 antibody WB image

Western blot: A431 stained with ARG45290 anti-SUMF2 antibody at 0.5 µg/ml dilution.



ARG45290 anti-SUMF2 antibody FACS image

Flow Cytometry: U87 stained with ARG45290 anti-SUMF2 antibody at 1 µg/10<sup>6</sup> cells dilution.



ARG45290 anti-SUMF2 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45290 anti-SUMF2 antibody at 2 µg/ml dilution.