

Mouse SULFATASE 2 Monoclonal Antibody | anti-Sulf2 antibody

MOUSE ANTI HUMAN SULFATASE 2 (C-TERMINAL)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49794	Mouse	MouseN.B Antibody reactivity and working conditions may vary between species.	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

SULFATASE 2; Monoclonal Antibody; MOUSE ANTI HUMAN SULFATASE 2 (C-TERMINAL); SULF-2; KIAA1247; anti-Sulf2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse N.B Antibody reactivity and working conditions may vary between species.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2B4
Specificity	SULFATASE 2(C-Terminal)
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	875
Applicable Applications for anti-Sulf2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Preservative Stabilisers	0.09% Sodium Azide.
Preparation	Purified IgG prepared by affinity chromatography on Protein G.
Immunogen	Recombinant human Sulf-2.<
Histology Positive Control Tissue	Sulf-2 transfected HEK29 cells or non-small-cell lung carcinoma.
Target Species	Human
Buffer Solution	Phosphate buffered saline.
Preparation and Storage	Store at 4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Paraffin embedded HEK293 cells transfected with SULF2 stained with Mouse anti Human Sulfatase 2 C-terminal

ADDITIONAL INFORMATION

Related Product Information for anti-Sulf2 antibody	Mouse anti Human Sulfatase 2 (C-Terminal) antibody, clone 2B4 recognizes an epitope within the C-terminal (CT) subunit of Sulfatase 2 (Sulf-2). Sulf-2 is a novel extracellular heparan sulfate 6-O-endosulfatase, which selectively removes the critical sulfate group from the polysaccharide side chain of heparan sulfate proteoglycans, major components of the extracellular matrix, involved in cell differentiation, proliferation and migration. Sulf-2 acts as a modulator of several signalling proteins including Wnt proteins, bone morphogenetic proteins (BMPs) and fibroblast growth factors (FGFs), and is a direct transcriptional target of p53. Studies have linked Sulf-2 with several cancers, including breast, hepatocellular, and pancreatic cancer, and recently with non-small-cell lung carcinomas (Lemjabbar-Alaoui et al. 2010). Mature human Sulf-2 is a heterodimer consisting of a 50kDa C-terminal subunit, essential for both glucosamine 6-O-sulfate-endosulfatase and arylsulfatase activity, and a 75kDa N-terminal subunit which contains the catalytic centre. Mouse anti Human Sulfatase 2 (C-Terminal) antibody, clone 2B4recognizes Sulfatase 2, showing no cross-reactivity with Sulfatase 1 in either human or mouse.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	357588451
NCBI GeneID	72043
NCBI Accession #	NP_001239507.1
NCBI GenBank Nucleotide #	NM_001252578.1
NCBI Official Full Name	extracellular sulfatase Sulf-2 isoform 1
NCBI Official Synonym Full Names	sulfatase 2
NCBI Official Symbol	Sulf2
NCBI Official Synonym Symbols	MSulf-2; AU020235; mKIAA1247; 2010004N24Rik
NCBI Protein Information	extracellular sulfatase Sulf-2
UniProt Protein Name	Extracellular sulfatase Sulf-2
UniProt Gene Name	Sulf2
UniProt Synonym Gene Names	mSulf-2
UniProt Entry Name	SULF2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sulfatase-2-antibody-clone-2b4-western-blot-immunohistochemistry-elisa/49794>