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Sulfatase 2 Rabbit pAb

Catalog # AP98507

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IWU5
Other Accession	Q8IWU5
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100455
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Sulfatase 2
Epitope Specificity	651-750/870
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Post-translational modifications	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Sulfatase 2 exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity. It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin. It is expressed at highest levels in the ovary, skeletal muscle, stomach, brain, uterus, heart, kidney and placenta.

Additional Information

Gene ID	55959
Other Names	HSULF-2; 2010004N24Rik; MSulf-2; mKIAA1247; SULF2_HUMAN; SULF2; Arylsulfatase; N-acetylglucosamine-6-sulfatase; KIAA1247; SULF2_MOUSE; sulfatase 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SULF2
Synonyms	KIAA1247
Function	Exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity (PubMed:12368295, PubMed:30788513, PubMed:35294879). It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin (PubMed:12368295, PubMed:30788513, PubMed:35294879).
Cellular Location	Endoplasmic reticulum {ECO:0000250|UniProtKB:Q8VI60}. Golgi apparatus, Golgi stack {ECO:0000250|UniProtKB:Q8VI60}. Cell surface
Tissue Location	Expressed at highest levels in the ovary, skeletal muscle, stomach, brain, uterus, heart, kidney and placenta

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.