Datasheet for ABIN1396928

anti-Keratan Sulfate antibody (AA 251-350) (Alexa Fluor 350)

Go to Product page

Overview

Quantity:	100 µL
Target:	Keratan Sulfate (KS)
Binding Specificity:	AA 251-350
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Keratan Sulfate antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Keratan Sulfate
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Keratan Sulfate (KS)
Alternative Name:	Keratan Sulfate (KS Products)

Target Details

Background:	Synonyms: Carbohydrate chondroitin 6 keratan sulfotransferase 1, Carbohydrate chondroitin 6 keratan sulfotransferase, Carbohydrate keratan sulfate Gal 6 sulfotransferase, Carbohydrate keratan sulfate Gal 6 sulfotransferase 1, Carbohydrate sulfotransferase 1, CHST1, EC 2.8.2.21, Galactose N acetylglucosamine N acetylglucosamine 6 O sulfotransferase 1, GST 1 antibody Keratan sulfate Gal 6 sulfotransferase, KS6ST, KSGAL6ST, KSST. Background: Catalyzes the transfer of sulfate to position 6 of galactose residues of keratan. It has a preference for sulfating keratan sulfate, but it also transfers sulfate to the unsulfated polymer. The sulfotransferase activity on sialyl LacNAc structures is much higher than the corresponding desialylated substrate, and only internal galactose residues are sulfated. It also may function in the sulfation of sialyl N-acetyllactosamine oligosaccharide chains attached to glycoproteins. It participates in biosynthesis of selectin ligands. Selectin ligands are present in high endothelial cells (HEVs) and play a central role in lymphocyte homing at sites of inflammation. Aggrecan is the major proteoglycan of human articular cartilage. The core protein is substituted by a number of keratan sulfate and chondroitin sulfate glycosaminoglycan chains. Whereas chondroitin sulfate is widely distributed throughout the body, keratan sulfate is primarily expressed in cartilage (joints, trachea, intervertebral discs) and cornea.

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

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