antibodies

Datasheet for ABIN1390390 anti-HAS2 antibody (Alexa Fluor 488)



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Quantity:	100 µL
Target:	HAS2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAS2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human HAS2/Hyaluronan synthase 2
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	
Target:	HAS2
Alternative Name:	Has2 (HAS2 Products)
Background:	Synonyms: HA synthase 2, has2, HAS2_HUMAN, Hyaluronan synthase 2, Hyaluronate synthase
	2, Hyaluronic acid synthase 2.
	Background: HAS1, HAS2 and HAS3 are HA Synthase proteins that synthesize HA (Hyaluronan

or hyaluronic acid). The extracellular matrix in most vertebrates express HA, which is a high

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	molecular weight linear polysaccharide composed of alternating glucuronic acid and N-	
	acetylglucosamine residues linked by i^2 -1,3 and i^2 -1,4 glycosidic bonds. The three HAS genes	
	show distinct patterns of expression during development and their protein products play	
	significantly different roles in the formation of the HA matrix. Both HAS1 and HAS2 synthesise	
	high molecular-weight HA, whereas HAS3 produces lower molecular weight HA. The expression	
	of the three HAS isoforms is more prominent in growing cells than in resting cells and is	
	differentially regulated by various stimuli suggesting distinct functional roles of the three	
	proteins. HAS2 mRNA shows predominant expression in chondrocytes and cartilage. The	
	human HAS2 gene maps to chromosome 8q24.12.	
Pathways:	Glycosaminoglycan Metabolic Process	
Application Details		
Application Notes:	IF(IHC-P): (1:50-200)	
	Optimal working dilution should be determined by the investigator.	
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:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
Expiry Date:	12 months	