Datasheet for ABIN7193521

anti-HAS1 antibody (AA 74-399)

3 Images

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Overview

Quantity:	0.1 mg
Target:	HAS1
Binding Specificity:	AA 74-399
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HAS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human HAS1 (AA: 74-399) expressed in E. coli.
Clone:	2G5H6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	HAS1
Alternative Name:	HAS1 (HAS1 Products)
Background:	Description: Hyaluronan or hyaluronic acid (HA) is a high molecular weight unbranched polysaccharide synthesized by a wide variety of organisms from bacteria to mammals, and is a

Target Details

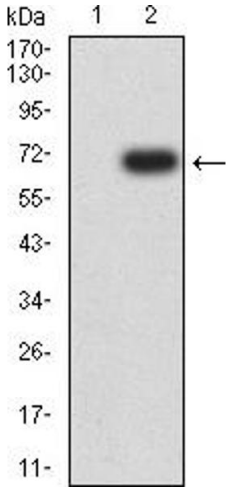
	constituent of the extracellular matrix. It consists of alternating glucuronic acid and N-acetylglucosamine residues that are linked by beta-1-3 and beta-1-4 glycosidic bonds. HA is synthesized by membrane-bound synthase at the inner surface of the plasma membrane, and the chains are extruded through pore-like structures into the extracellular space. It serves a variety of functions, including space filling, lubrication of joints, and provision of a matrix through which cells can migrate. HA is actively produced during wound healing and tissue repair to provide a framework for ingrowth of blood vessels and fibroblasts. Changes in the serum concentration of HA are associated with inflammatory and degenerative arthropathies such as rheumatoid arthritis. In addition, the interaction of HA with the leukocyte receptor CD44 is important in tissue-specific homing by leukocytes, and overexpression of HA receptors has been correlated with tumor metastasis. HAS1 is a member of the newly identified vertebrate gene family encoding putative hyaluronan synthases, and its amino acid sequence shows significant homology to the hasA gene product of Streptococcus pyogenes, a glycosaminoglycan synthetase (DG42) from Xenopus laevis, and a recently described murine hyaluronan synthase. Alternative splicing results in multiple transcript variants. Aliases: HAS
Molecular Weight:	64.8 kDa
Gene ID:	3036
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB:1:500 - 1:2000, ELISA:1:10000,
Restrictions:	For Research Use only

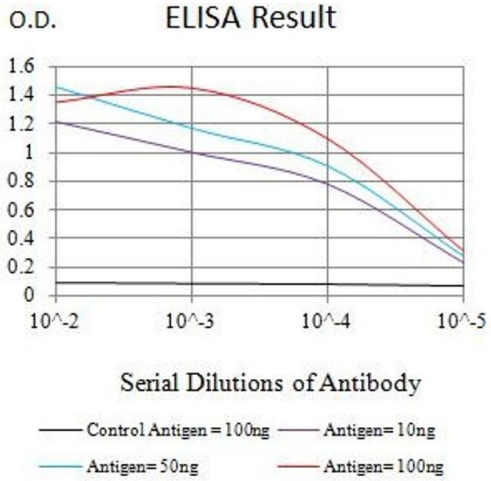
Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



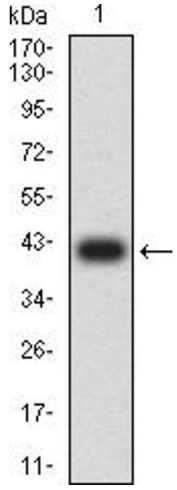
Western Blotting

Image 1. Western blot analysis using HAS1 mAb against HEK293 (1) and HAS1 (AA: 74-399)-hIgGFc transfected HEK293 (2) cell lysate.



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using HAS1 mAb against human HAS1 (AA: 74-399) recombinant protein. (Expected MW is 40.2 kDa)