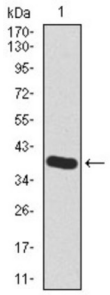
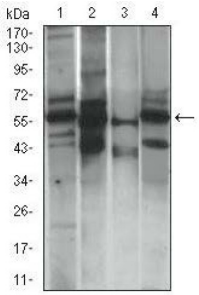
Hyaluronan Synthase 2 (HAS2) Antibody

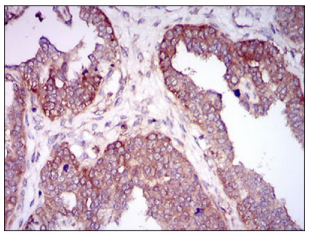
Catalogue No.:abx010958



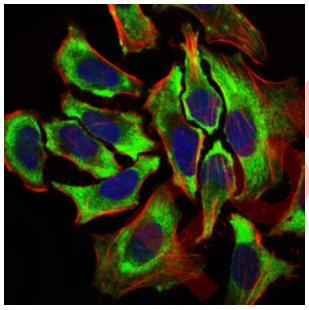
Western blot analysis of Human HAS2 recombinant protein using Hyaluronan Synthase 2 (HAS2) Antibody.



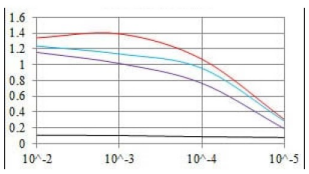
Western blot analysis of NTERA-2 (Lane 1), HEK293 (Lane 2) cells, Human plasma (Lane 3), and Jurkat cells (Lane 4), using Hyaluronan Synthase 2 (HAS2) Antibody.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissue, with DAB staining.



Immunofluorescence analysis of HeLa cells, using HAS2 antibody (green), DRAQ5 fluorescent DNA dye (blue), Actin filaments labeled with AF555 phalloidin (red).



ELISA analysis. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng).

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Catalyzes the addition of GlcNAc or GlcUA monosaccharides to the nascent hyaluronan polymer. Therefore, it is essential to hyaluronan synthesis a major component of most extracellular matrices that has a structural role in tissues architectures and regulates cell adhesion, migration and differentiation. This is one of the isozymes catalyzing that reaction and it is particularly responsible for the synthesis of high molecular mass hyaluronan. Required for the transition of endocardial cushion cells into mesenchymal cells, a process crucial for heart development. May also play a role in vasculogenesis. High molecular mass hyaluronan also play a role in early contact inhibition a process which stops cell growth when cells come into contact with each other or the extracellular matrix.

Target:	Hyaluronan Synthase 2 (HAS2)
Clonality:	Monoclonal
Clone:	H010
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/100 - 1/500. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment corresponding to Human HAS2 (67-170 AA) expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q92819 (UniProt, ExPASy)
Gene Symbol:	HAS2
GeneID:	3037
OMIM:	601636
HGNC:	4819
KEGG:	hsa:3037

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Ensembl:	ENSG00000170961
String:	9606.ENSP00000306991
Molecular Weight:	63.5 kDa
Buffer:	PBS, containing 0.05% sodium azide.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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