

## HAS2 Antibody

Catalog No: #48457

Package Size: #48457-1 50ul #48457-2 100ul

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## Description

Product Name	HAS2 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	C4-E7
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	HA synthase 2 antibody has2 antibody HAS2_HUMAN antibody Hyaluronan synthase 2 antibody Hyaluronate synthase 2 antibody Hyaluronic acid synthase 2 antibody
Accession No.	Swiss-Prot#:Q92819
Uniprot	Q92819
GeneID	3037;
Calculated MW	64 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

## 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 molecular weight linear polysaccharide composed of alternating glucuronic acid and N-acetylglucosamine residues linked by  $\beta$ -1,3 and  $\beta$ -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.

## References

Note: This product is for in vitro research use only