

Datasheet for ABIN1386495

**anti-HAS2 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	HAS2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HAS2/Hyaluronan synthase 2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	HAS2
Alternative Name:	Has2 ( <a href="#">HAS2 Products</a> )
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

## Target Details

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.

Pathways: [Glycosaminoglycan Metabolic Process](#)

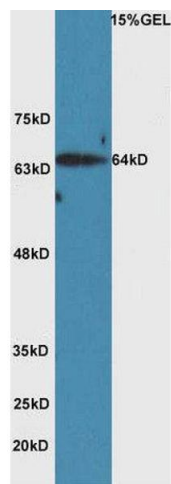
## Application Details

Application Notes: WB: (1:100-1000), IHC-P: (1:100-500), 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 1 % BSA, 50 % glycerol and 0.09 % 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:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



### Western Blotting

**Image 1.** Lane 1: Huh7 cell lysates probed with Rabbit Anti-HAS2 Polyclonal Antibody, Unconjugated (ABIN1386495) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.