



## Rabbit Anti-HAS2 antibody

SL11290R

<b>Product Name:</b>	HAS2
<b>Chinese Name:</b>	透明质酸合成酶2抗体
<b>Alias:</b>	HA synthase 2; has2; HAS2_HUMAN; Hyaluronan synthase 2; Hyaluronate synthase 2; Hyaluronic acid synthase 2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	64kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HAS2/Hyaluronan synthase 2:401-500/552<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

Plays a role in hyaluronan/hyaluronic acid (HA) synthesis.

**Subcellular Location:**

Membrane.

**Tissue Specificity:**

Expressed in fibroblasts.

**DISEASE:**

Note=A chromosomal aberration involving HAS2 may be a cause of lipoblastomas, which are benign tumors resulting from transformation of adipocytes, usually diagnosed in children. 8q12.1 to 8q24.1 intrachromosomal rearrangement with PLAG1.

**Similarity:**

Belongs to the nodC/HAS family.

**SWISS:**

Q92819

**Gene ID:**

3037

**Database links:**

[Entrez Gene: 395594](#)Chicken

[Entrez Gene: 100009708](#)Horse

[Entrez Gene: 3037](#)Human

[Entrez Gene: 15117](#)Mouse

[Entrez Gene: 25694](#)Rat

[Omim: 601636](#)Human

[SwissProt: O57424](#)Chicken

[SwissProt: Q92819](#)Human

[SwissProt: P70312](#)Mouse

[SwissProt: O35776](#)Rat

[Unigene: 329](#)Chicken

[Unigene: 159226](#)Human

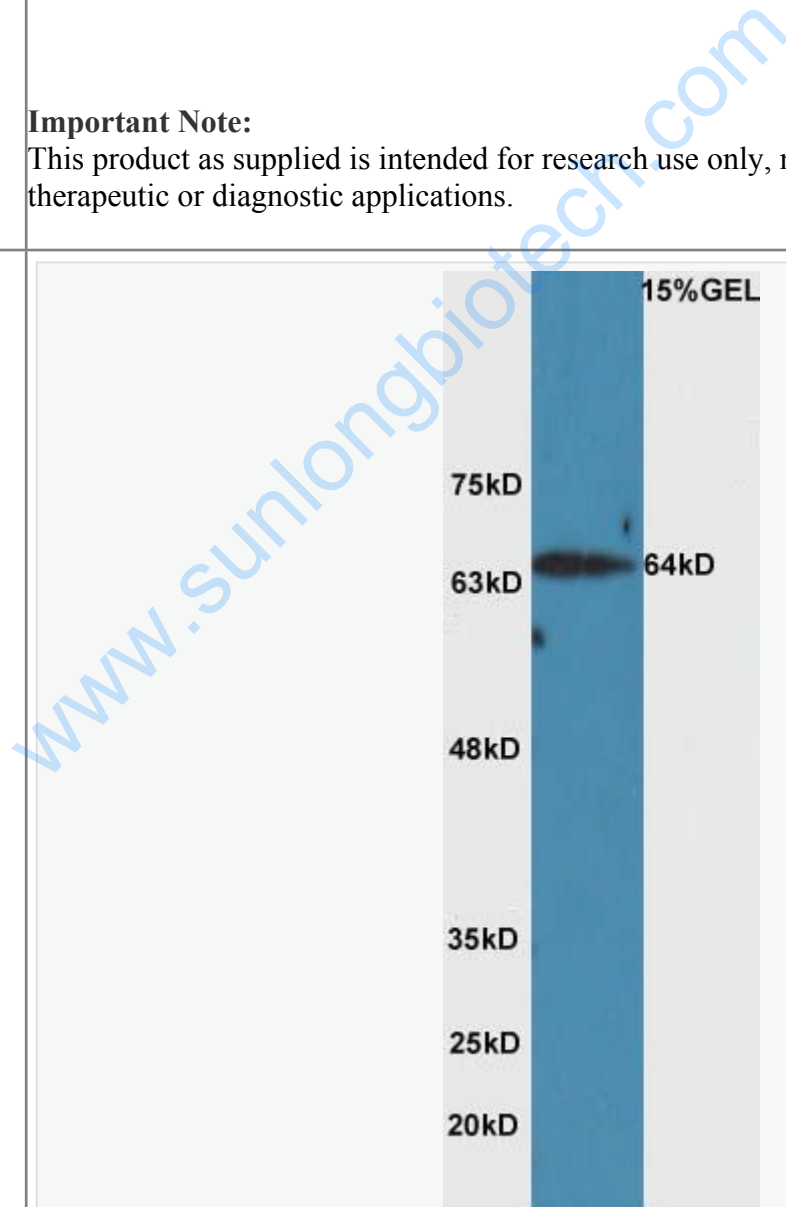
[Unigene: 5148](#)Mouse

[Unigene: 87393](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: Huh7 Cell (Human) Lysate at 40 ug

Primary: Anti-HAS2 (SL11290R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL11290R) at 1/5000 dilution

Predicted band size: 64 kD

Observed band size: 64 kD

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