

Datasheet for ABIN3031258  
**anti-HAS1 antibody (AA 166-193)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.4 mL
Target:	HAS1
Binding Specificity:	AA 166-193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 166-193 from the human protein was used as the immunogen for this HAS1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Antigen affinity purified

## Target Details

Target:	HAS1
Alternative Name:	HAS1 ( <a href="#">HAS1 Products</a> )
Background:	Hyaluronan or hyaluronic acid (HA) is a high molecular weight unbranched polysaccharide

## Target Details

synthesized by a wide variety of organisms from bacteria to mammals, and is a 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.

UniProt: [Q92839](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Application Notes: Titration of the HAS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 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.

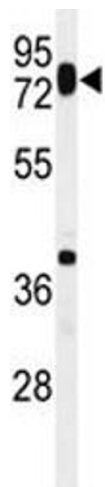
Storage: -20 °C

Storage Comment: Aliquot the HAS1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of HAS1 antibody in ZR-75-1 lysate.



Western Blotting

**Image 2.** Western blot analysis of HAS1 antibody in ZR-75-1 lysate.