

Rabbit HYAL1 Polyclonal Antibody | anti-HYAL1 antibody

HYAL1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200116	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunohistochemistry

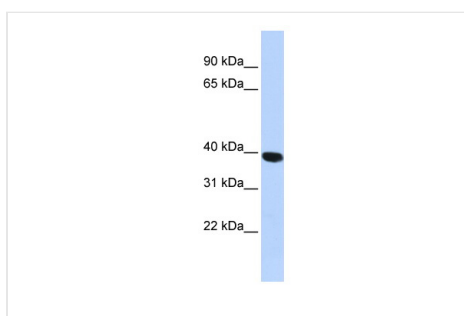
PRODUCT SYNONYMS

HYAL1; Polyclonal Antibody; HYAL1 antibody - N-terminal region; anti-HYAL1 antibody

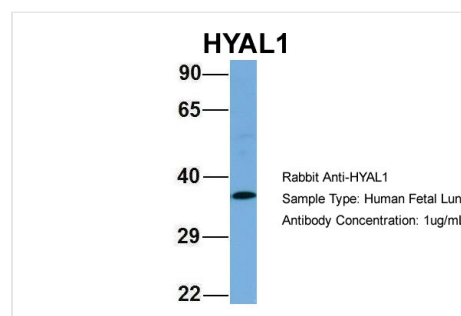
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: WN ANTQWCLERH GVDVDVSFDD VVANPGQTFR GPDMTIFYSS QLGTYPPY
Sequence Length	405
Applicable Applications for anti-HYAL1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 83%; Dog: 86%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HYAL1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

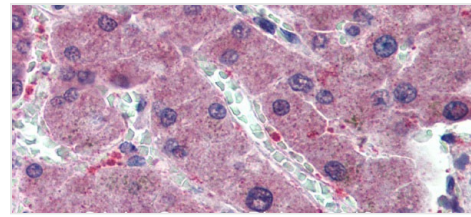
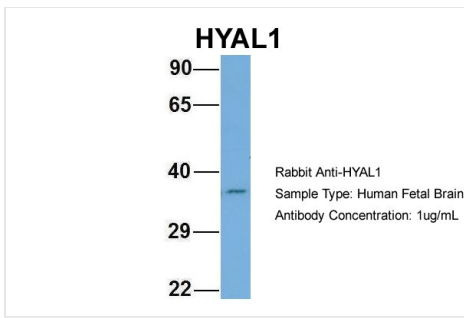
IMAGES


WB (Western Blot)

HYAL1 antibody - N-terminal region validated by WB using HepG2 cell lysate at 1ug/ml. HYAL1 is supported by BioGPS gene expression data to be expressed in HepG2


WB (Western Blot)

Host: Rabbit Target Name: HYAL1 Sample Type: Human Fetal Lung Antibody Dilution: 1.0ug/ml

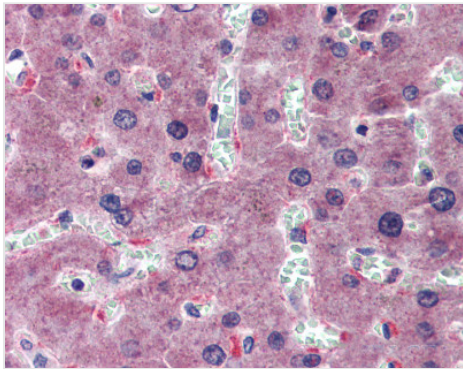


IHC (Immunohistochemistry)

Immunohistochemistry with Human Liver cell lysate tissue at an antibody concentration of 5.0ug/ml using anti-HYAL1 antibody

WB (Western Blot)

Host: Rabbit Target Name: HYAL1 Sample Type: Human Fetal Brain Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Immunohistochemistry with breast cancer tissue tissue

ADDITIONAL INFORMATION

Related Product Information for anti-HYAL1 antibody

This is a rabbit polyclonal antibody against HYAL1. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: HYAL1 is a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. HYAL1 is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for HYAL1. This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene.

Product Categories/Family for anti-HYAL1 antibody

[Polyclonal](#); [Signal Proteins](#); [Lymphocyte Signaling](#); [Membrane Protein](#); [Drugs and Drug Metabolism](#); [Developmental Biology](#); [Immunohistochemistry](#); [Receptors](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	24497566
NCBI GeneID	3373
NCBI Accession #	NP_695014
NCBI GenBank Nucleotide #	NM_153282
UniProt Accession #	Q12794
Molecular Weight	45kDa

NCBI Official Full Name	hyaluronidase-1 isoform 2
NCBI Official Synonym Full Names	hyaluronidase 1
NCBI Official Symbol	HYAL1
NCBI Official Synonym Symbols	MPS9; NAT6; LUCA1; HYAL-1
NCBI Protein Information	hyaluronidase-1
UniProt Protein Name	Hyaluronidase-1
UniProt Gene Name	HYAL1
UniProt Synonym Gene Names	LUCA1; Hyal-1; LuCa-1
UniProt Entry Name	HYAL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hyal1-antibody-western-blot-immunohistochemistry-elisa/200116>