

Anti-HYAL1 Antibody

Catalog # ABO11491

Product Information

Application	WB
Primary Accession	Q91ZJ9
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Hyaluronidase-1(HYAL1) detection. Tested with WB in mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	15586
Other Names	Hyaluronidase-1, Hyal-1, 3.2.1.35, Hyaluronoglucosaminidase-1, Hyal1
Calculated MW	52109
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Secreted . Lysosome .
Tissue Specificity	Highly expressed in liver, kidney, lung and skin. .
Source	Eukaryota
Protein Name	Hyaluronidase-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse HYAL1(434-450aa LKDRAQMAMKFRRCYR), different from the related rat sequence by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the glycosyl hydrolase 56 family.

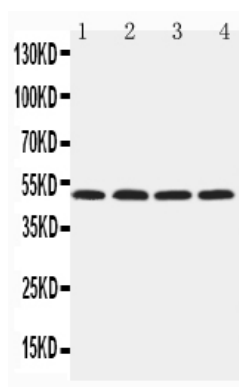
Protein Information

Name	Hyal1
Function	May have a role in promoting tumor progression. May block the TGFβ1-enhanced cell growth.
Cellular Location	Secreted. Lysosome.
Tissue Location	Highly expressed in liver, kidney, lung and skin.

Background

Hyaluronidase-1, also known as HYAL1 or LUCA1, is an enzyme that in humans is encoded by the HYAL1 gene. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. 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.

Images



Anti-HYAL1 antibody, ABO11491, Western blotting
Lane 1: NRK Cell Lysate
Lane 2: Mouse Liver Tissue Lysate
Lane 3: Mouse Kidney Tissue Lysate
Lane 4: SP2/0 Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.