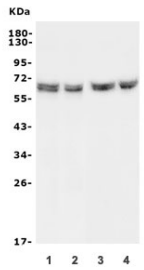
Hyaluronidase 1 Antibody / HYAL1 (RQ5819)

Catalog No.	Formulation	Size
RQ5819	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q91ZJ9
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Hyaluronidase 1 antibody is available for research use only.



Western blot testing of 1) rat PC-12, 2) rat RH35, 3) mouse HEPA1-6 and 4) mouse SP2/0 lysate with Hyaluronidase 1 antibody. Expected molecular weight: 48-60 kDa.

Description

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 though 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.

Application Notes

Optimal dilution of the Hyaluronidase 1 antibody should be determined by the researcher.

Immunogen

Amino acids ASLVTHLAHTFQDIKAAMPEPD from the mouse protein were used as the immunogen for the Hyaluronidase 1 antibody.

Storage

After reconstitution, the Hyaluronidase 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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