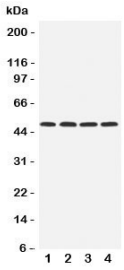
HYAL1 Antibody (R31303)

Catalog No.	Formulation	Size
R31303	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q91ZJ9
Applications	Western Blot : 0.5-1ug/ml
Limitations	This HYAL1 antibody is available for research use only.



Western blot testing of HYAL1 antibody and Lane 1: rat NRK; 2: mouse liver; 3: (m) kidney; 4: (m) SP2/0 cell lysate

Description

Hyaluronidase-1, also known as 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

The stated application concentrations are suggested starting amounts. Titration of the HYAL1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of mouse Hyaluronidase-1 (LKDRAQMAMKFRCRCYR) was used as the immunogen for this HYAL1 antibody.

Storage

After reconstitution, the HYAL1 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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