

Anti-Hyaluronidase-1 HYAL1 Antibody Picoband®

Catalog Number: PA2181-2

About Hyal1

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.

Overview

Product Name	Anti-Hyaluronidase-1 HYAL1 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Hyaluronidase-1 HYAL1 Antibody catalog # PA2181-2. Tested in WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q91ZJ9

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse HYAL1, different from the related rat sequence by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse

Anti-Hyaluronidase-1 HYAL1 Antibody Picoband® (PA2181-2) Images



Anti-HYAL1 antibody, PA2181-2, 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

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