

Datasheet for ABIN3043041
anti-HYAL2 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	HYAL2
Binding Specificity:	AA 142-157, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HYAL2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Hyaluronidase-2 HYAL2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human HYAL2, different from the related mouse and rat sequences by three amino acids.
Sequence:	VRNWQDKDVY RRLSRQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Hyaluronidase-2 HYAL2 Antibody (ABIN3043041). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: HYAL2

Alternative Name: HYAL2 ([HYAL2 Products](#))

Background: Synonyms: Hyaluronidase-2;Hyal-2;3.2.1.35;Hyaluronoglucosaminidase-2;Lung carcinoma protein 2;LuCa-2;HYAL2;LUCA2;

Tissue Specificity: Widely expressed. No expression detected in adult brain. .

Background: HYAL2 (hyaluronoglucosaminidase 2) also known as hyaluronidase 2, LuCa-2, is an enzyme that in humans is encoded by the HYAL2 gene. HYAL2 cDNAs encode a preprotein with an N-terminal signal peptide. Northern blot analysis indicated that HYAL2 was expressed in all human tissues tested except adult brain, and Western blot analysis detected Hyal2protein in all mouse tissues examined except adult brain. The HYAL2 gene is mapped on 3p21.31. HYAL2 is a glycosylphosphatidylinositol (GPI)-anchored protein on the cell surface and serves as a receptor for entry into the cell of the jaagsiekte sheep retrovirus (JSRV). The findings of Rai et al. (2001) that HYAL2 is a GPI-anchored protein on the cell surface showed that GFP would likely be cleaved from HYAL2 during GPI addition, leaving HYAL2 on the cell surface and resulting in GFP transit to the lysosome for degradation.

Sequence Similarities: Belongs to the glycosyl hydrolase 56 family.

Molecular Weight: 54 kDa

UniProt: [Q12891](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Rat, Mouse

1. Lepperdinger, G., Strobl, B., Kreil, G. HYAL2, a human gene expressed in many cells, encodes a lysosomal hyaluronidase with a novel type of specificity. J. Biol. Chem. 273: 22466-22470, 1998. 2. Rai, S. K., Duh, F.-M., Vigdorovich, V., Danilkovitch-Miagkova, A., Lerman, M. I., Miller, A. D. Candidate tumor suppressor HYAL2 is a glycosylphosphatidylinositol (GPI)-anchored cell-surface receptor for jaagsiekte sheep retrovirus, the envelope protein of which mediates oncogenic transformation. Proc. Nat. Acad. Sci. 98: 4443-4448, 2001. 3. Strobl, B., Wechselberger, C., Beier, D. R., Lepperdinger, G. Structural organization and chromosomal localization of Hyal2, a gene encoding a lysosomal hyaluronidase. Genomics 53: 214-219, 1998.

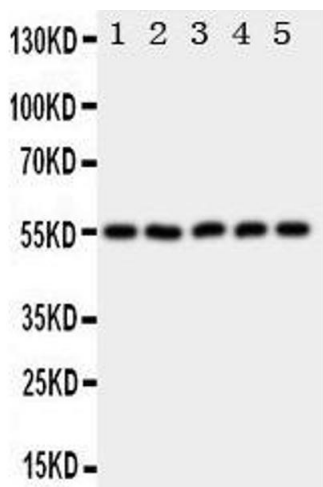
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1.