

Anti-HYAL2 Antibody

Catalog # ABO11125

Product Information

Application	WB
Primary Accession	Q12891
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Hyaluronidase-2(HYAL2) detection. Tested with WB in Human;Mouse;Rat. .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	8692
Other Names	Hyaluronidase-2, Hyal-2, 3.2.1.35, Hyaluronoglucosaminidase-2, Lung carcinoma protein 2, LuCa-2, HYAL2, LUCA2
Calculated MW	53860
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Cell membrane ; Lipid-anchor, GPI-anchor .
Tissue Specificity	Widely expressed. No expression detected in adult brain. .
Source	Eukaryota
Protein Name	Hyaluronidase-2(Hyal-2)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HYAL2(142-157aa VRNWQDKDVYRRLSRQ), different from the related mouse and rat sequences by three amino acids.
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

Sequence Similarities

freezing and thawing.
Belongs to the glycosyl hydrolase 56 family.

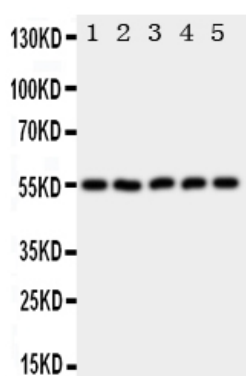
Protein Information

Name	HYAL2
Synonyms	LUCA2
Function	Catalyzes hyaluronan degradation into small fragments that are endocytosed and degraded in lysosomes by HYAL1 and exoglycosidases (PubMed: 9712871). Essential for the breakdown of extracellular matrix hyaluronan (PubMed: 28081210).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor
Tissue Location	Widely expressed (at protein level).

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 Hyal2 protein 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.

Images



Anti-HYAL2 antibody, ABO11125, Western blotting
All lanes: Anti HYAL2 (ABO11125) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: SMMC Whole Cell Lysate at 40ug
Lane 3: COLO320 Whole Cell Lysate at 40ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: HT1080 Whole Cell Lysate at 40ug
Predicted bind size: 54KD
Observed bind size: 54KD

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