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HYAL4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13683C

Product Information

Application	IHC-P-Leica, WB, E
Primary Accession	Q2M3T9
Other Accession	NP_036401.2
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33524
Calculated MW	54249
Antigen Region	143-172

Additional Information

Gene ID	23553
Other Names	Hyaluronidase-4, Hyal-4, Chondroitin sulfate endo-beta-N-acetylgalactosaminidase, Chondroitin sulfate hydrolase, CSHY, Hyaluronoglucosaminidase-4, HYAL4
Target/Specificity	This HYAL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-172 amino acids from the Central region of human HYAL4.
Dilution	IHC-P-Leica~~1:500 WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HYAL4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HYAL4
Function	Endo-hyaluronidase that degrades hyaluronan to smaller oligosaccharide

	fragments. Also has chondroitin sulfate hydrolase activity, The best substrate being the galactosaminidic linkage in the sequence of a trisulfated tetrasaccharide.
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Detected in placenta and skeletal muscle.

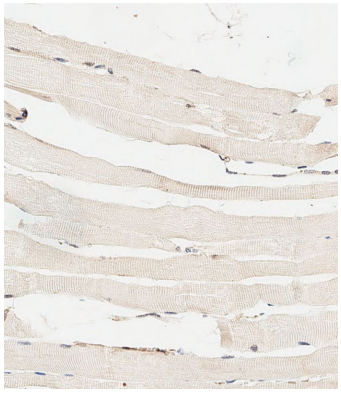
Background

This gene encodes a protein which is similar in structure to hyaluronidases. 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. However, this protein has not yet been shown to have hyaluronidase activity. [provided by RefSeq].

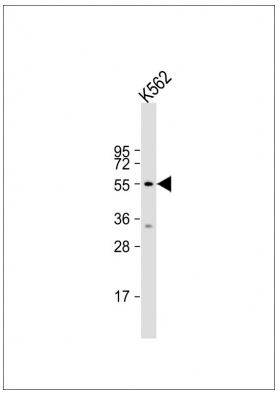
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Kaneiwa, T., et al. Glycobiology 20(3):300-309(2010)
Fiszer-Szafarz, B., et al. J. Biochem. Biophys. Methods 45(2):103-116(2000)
Csoka, A.B., et al. Genomics 60(3):356-361(1999)

Images

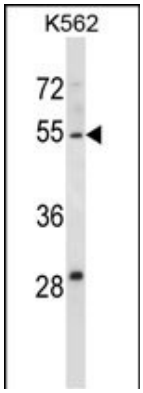


Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue using AP13683C performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Anti-HYAL4 Antibody (Center) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

HYAL4 Antibody (Center) (Cat. #AP13683c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the HYAL4 antibody detected the HYAL4 protein (arrow).



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