Datasheet for ABIN654687

anti-HYAL2 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	HYAL2
Binding Specificity:	AA 385-412, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HYAL2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HYAL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-412 amino acids from the C-terminal region of human HYAL2.
Clone:	RB24065
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HYAL2
Alternative Name:	HYAL2 (HYAL2 Products)

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Target Details

Background:	This gene encodes a weak acid-active hyaluronidase. The encoded protein is similar in structure to other more active hyaluronidases. Hyaluronidases degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan and fragments of hyaluronan are thought to be involved in cell proliferation, migration and differentiation. Although it was previously thought to be a lysosomal hyaluronidase that is active at a pH below 4, the encoded protein is likely a GPI-anchored cell surface protein. This hyaluronidase serves as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5' UTR.
Molecular Weight:	53860
Gene ID:	8692
NCBI Accession:	NP_003764, NP_149348
UniProt:	Q12891
Pathways:	Transition Metal Ion Homeostasis, Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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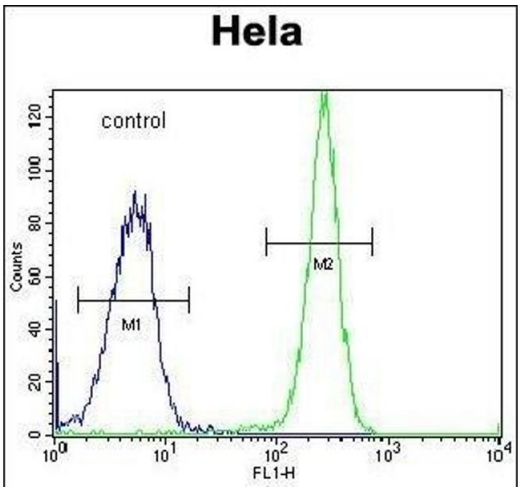
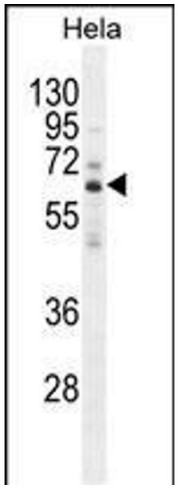


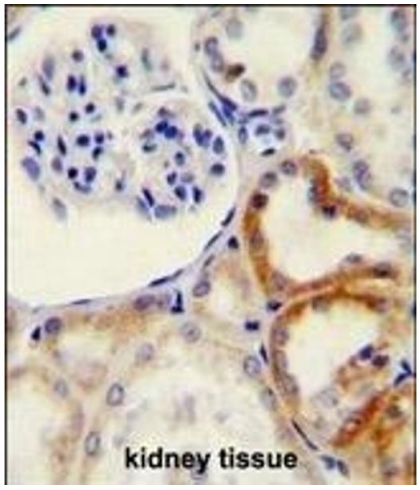
Flow Cytometry

Image 1. HYAL2 Antibody (C-term) (ABIN654687 and ABIN2844379) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. HYAL2 Antibody (C-term) (ABIN654687 and ABIN2844379) western blot analysis in Hela cell line lysates (35 µg/lane).This demonstrates the HYAL2 antibody detected the HYAL2 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. HYAL2 Antibody (C-term) (ABIN654687 and ABIN2844379) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HYAL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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