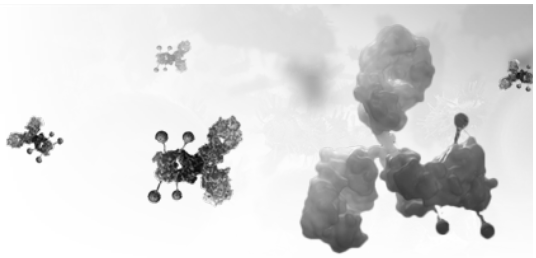

Mouse anti-Human HYAL3 monoclonal antibody, clone 4B4 (CABT-B10440)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HYAL3 (AAH05896, 1 a.a. ~ 418 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4B4
Conjugate	Unconjugated
Applications	ELISA
Sequence Similarities	MTTQLGPALVLGVALCLGCGQPLPQVPERPFSVLWNVPSAHCEARFGVHLPLNSLGIIAN RGQHFHGQNMTIFYKNQLGLYPYFGPRGTAHNGGIPQALPLDRHLALAAYQIHHSLRPGF AGPAVLDWEEWCPLWAGNWGRRRAYQAASWAWAQQVFPDLDPQEQLYKAYTGFEQAARAL MEDTLRVAQALRPHGLWGFYHYPACGNGWHSMASNYTGRCHAATLARNTQLHWLWAASSA LFPSIYLPPRLPPAH
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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Introduction	This gene encodes a member of the hyaluronidase family. Hyaluronidases are endoglycosidase enzymes that degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. The regulated turnover of hyaluronan plays a critical role in many biological processes including cell proliferation, migration and differentiation. The encoded protein may also play an important role in sperm function. This gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression, and the expression of specific transcript variants may be indicative of tumor status. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and some isoforms may lack hyaluronidase activity. This gene overlaps and is on the same strand as N-acetyltransferase 6 (GCN5-related), and some transcripts of each gene share a portion of the first exon. [provided by RefSeq, Jan 2011]
Keywords	HYAL3; hyaluronoglucosaminidase 3; LUCA3; HYAL-3; LUCA-3; hyaluronidase-3; lung carcinoma protein 3;

GENE INFORMATION

Entrez Gene ID	8372
UniProt ID	O43820
Pathway	Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Metabolic pathways, organism-specific biosystem
Function	hyaluronon glucosaminidase activity; hydrolase activity, acting on glycosyl bonds

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