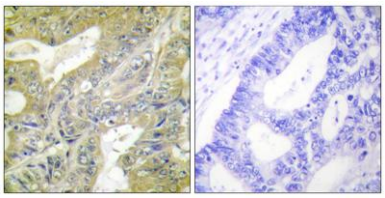
Hexb rabbit pAb

Cat#: orb768605 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Hexb rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HEXB. AA range:481-530
Specificity	Hexb Polyclonal Antibody detects endogenous levels of Hexb protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Beta-hexosaminidase subunit beta
Gene Name	HEXB
Cellular localization	Lysosome . Cytoplasmic vesicle, secretory vesicle, Cortical granule .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	63kD
Human Gene ID	3074
Human Swiss-Prot Number	P07686
Alternative Names	HEXB; HCC7; Beta-hexosaminidase subunit beta; Beta-N-acetylhexosaminidase subunit beta; Hexosaminidase subunit B; Cervical cancer proto-oncogene 7 protein; HCC-7; N-acetyl-beta-glucosaminidase subunit beta
Background	Hexosaminidase B is the beta subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Beta subunit gene mutations lead to Sandhoff disease (GM2-gangliosidosis type II). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014],



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using HEXB Antibody. The picture on the right is blocked with the synthesized peptide.

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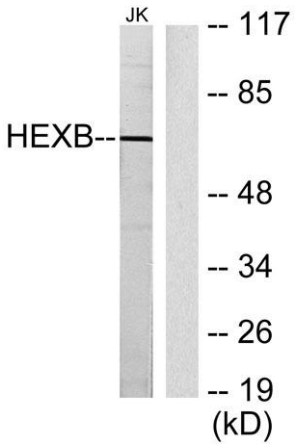

Western blot analysis of lysates from Jurkat cells, using HEXB Antibody. The lane on the right is blocked with the synthesized peptide.

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