

Rabbit HEXB Polyclonal Antibody | anti-HEXB antibody

HEXB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323785	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HEXB; Polyclonal Antibody; HEXB Antibody; Beta hexosaminidase beta chain; Beta hexosaminidase subunit beta; Beta N acetylhexosaminidase; Beta-hexosaminidase subunit beta chain A; Beta-N-acetylhexosaminidase subunit beta; Cervical cancer proto oncogene 7 protein; Cervical cancer proto-oncogene 7 protein; ENC 1AS; Epididymis luminal protein 248; HCC 7; HCC-7; HCC7; HEL 248; HEX B; Hexb; HEXB_HUMAN; Hexosaminidase B (beta polypeptide); Hexosaminidase B; Hexosaminidase subunit B; HexosaminidaseB; N acetyl beta glucosaminidase; N-acetyl-beta-glucosaminidase subunit beta; anti-HEXB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HEXB antibody detects endogenous levels of total HEXB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	556
Applicable Applications for anti-HEXB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Lysosome.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323785 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA323785 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using HEXB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HEXB antibody

Function: Responsible for the degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues.

Subunit Structure: There are 3 forms of beta-hexosaminidase: hexosaminidase A is a trimer composed of one subunit alpha, one subunit beta chain A and one subunit beta chain B; hexosaminidase B is a tetramer of two subunit beta chains A and two subunit beta chains B; hexosaminidase S is a homodimer of two alpha subunits. The two beta chains are derived from the cleavage of the beta subunit.

Post-translational Modifications: N-linked glycans at Asn-142 and Asn-190 consist of Man3-GlcNAc2 and Man(5 to 7)-GlcNAc2, respectively. The beta-A and beta-B chains are produced by proteolytic processing of the precursor beta chain.

Similarity: Belongs to the glycosyl hydrolase 20 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504373
NCBI GeneID	3074
NCBI Accession #	NP_000512.1
NCBI GenBank Nucleotide #	NM_000521.3
UniProt Accession #	P07686
Molecular Weight	Observed: 63 kD Predicted: 64 kDa
NCBI Official Full Name	beta-hexosaminidase subunit beta isoform 1 preproprotein
NCBI Official Synonym Full Names	hexosaminidase subunit beta
NCBI Official Symbol	HEXB
NCBI Official Synonym Symbols	ENC-1AS; HEL-248; HEL-S-111
NCBI Protein Information	beta-hexosaminidase subunit beta
UniProt Protein Name	Beta-hexosaminidase subunit beta
UniProt Gene Name	HEXB
UniProt Synonym Gene Names	Hexosaminidase subunit B; HCC-7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hexb-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323785>