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Datasheet for ABIN3042442 anti-HEXB antibody (AA 381-556)

4 Images



Overview

Quantity:	100 µg
Target:	HEXB
Binding Specificity:	AA 381-556
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HEXB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Beta-hexosaminidase subunit beta(HEXB) detection. Tested with WB, IHC-P in Human.
Immunogen:	E.coli-derived human HEXB recombinant protein (Position: K381-M556). Human HEXB shares 75% and 73% amino acid (aa) sequences identity with mouse and rat HEXB, respectively.
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Beta-hexosaminidase subunit beta(HEXB) detection. Tested with WB, IHC-P in Human. Gene Name: hexosaminidase B (beta polypeptide) Protein Name: Beta-hexosaminidase subunit beta
Purification:	Immunogen affinity purified.

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Target Details	
Target:	HEXB
Alternative Name:	HEXB (HEXB Products)
Background:	Beta-hexosaminidase subunit beta (HEXB) is an enzyme that in humans is encoded by the
	HEXB gene. It is mapped to 5q13.3. HEXB 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 subunit gene mutations lead to Sandhoff disease (GM2-gangliosidosis type
	II). It has been found that HEXB is a peptidoglycan hydrolase and it is involved in restricting
	mycobacteria growth even before the onset of adaptive immunity.
	Synonyms: Beta hexosaminidase beta chain antibody Beta hexosaminidase subunit beta
	antibody Beta N acetylhexosaminidase antibody Beta-hexosaminidase subunit beta chain A
	antibody Beta-N-acetylhexosaminidase subunit beta antibody Cervical cancer proto oncogene
	protein antibody Cervical cancer proto-oncogene 7 protein antibody ENC 1AS antibody HCC 7
	antibody HCC-7 antibody HCC7 antibody HEX B antibody Hexb antibody HEXB_HUMAN
	antibody Hexosaminidase B (beta polypeptide) antibody Hexosaminidase B
	antibody Hexosaminidase subunit B antibody HexosaminidaseB antibody N acetyl beta
	glucosaminidase antibody N-acetyl-beta-glucosaminidase subunit beta antibody
Gene ID:	3074
UniProt:	P07686
Pathways:	Sensory Perception of Sound, Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 $\mu\text{g/mL}$, Tested Species: Human, The detection limit for HEXB is
	approximately 0.2 ng/lane under reducing conditions.
	IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling
	the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of
	formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by
	ABIN921231 in IHC(P).

Restrictions:

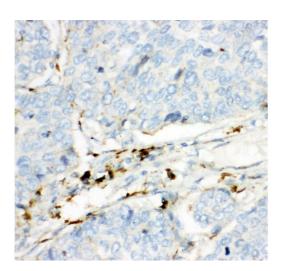
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Handling

Format: Reconstitution: Concentration: Buffer: Preservative: Precaution of Use:	Lyophilized Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration: Buffer: Preservative:		
Buffer: Preservative:		
Preservative:	500 µg/mL	
	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.	
Precaution of Lise:	Sodium azide	
r recaution of ose.	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.	

Images



Immunohistochemistry

Image 1. Anti- HEXB antibody,IHC(P) IHC(P): Human Lung Cancer Tissue

100KD -	Western Blotting
70KD -	Image 2. Anti- HEXB antibody, Western blotting All lanes:
55KD -	Anti HEXB at 0.5ug/ml WB: Recombinant Human HEXB
35KD	Protein 0.5ng Predicted bind size: 38KD Observed bind size 38KD
25KD-	
LUITE	
15KD -	
15KD – 1 2	Western Blotting
1 2	
1 2	Image 3. Anti- HEXB antibody, Western blotting All lanes
1 2 16КD — 97КD —	Image 3. Anti- HEXB antibody, Western blotting All lanes Anti HEXB at 0.5ug/ml Lane 1: HELA Whole Cell Lysate a
1 2 16KD –	Image 3. Anti- HEXB antibody, Western blotting All lanes Anti HEXB at 0.5ug/ml Lane 1: HELA Whole Cell Lysate a
1 2 116КD — 97КD —	Image 3. Anti- HEXB antibody, Western blotting All lanes Anti HEXB at 0.5ug/ml Lane 1: HELA Whole Cell Lysate a 40ug Lane 2: HEPG2 Whole Cell Lysate at 40ug Predicted
1 2 116KD – 97KD – 58KD – – –	Image 3. Anti- HEXB antibody, Western blotting All lanes Anti HEXB at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: HEPG2 Whole Cell Lysate at 40ug Predicted

Please check the product details page for more images. Overall 4 images are available for ABIN3042442.