

HEXB Polyclonal Antibody

Catalog NumberPA5-38571

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Type	Antibody	Western Blot (WB)	1:500-1:1,000
Immunogen	A synthetic peptide derived from the C-terminal region of human HEXB	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20°C		

Background/Target Information

Hexosaminidase B (HEXB), also designated beta-hexosaminidase B, is a Hexosaminidase B (HEXB), also designated b-hexosaminidase B, is a tetramer of two b-A and two b-B chains and is found in the lysosomes of cells. Sandhoff disease (SD), also known as GM2-gangliosidosis type II, is caused by mutations in the HEXB gene that affect the b subunit. These mutations disrupt the activity of HEXB and HEXA, which prevents the breakdown of GM2 ganglioside, a fatty material found in the brain, thereby rendering both the HEXA and HEXB enzymes deficient. SD is a rare autosomal recessive disorder characterized by an accumulation of GM2 ganglioside, which causes progressive destruction of the central nervous system. Sandhoff disease is similar to Tay-Sachs disease, which is caused by mutations in the HEXA gene, although SD is more severe.

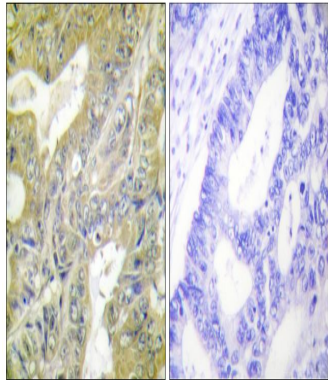
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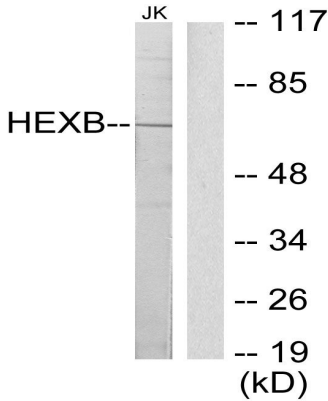
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Product Images For HEXB Polyclonal Antibody



**HEXB Antibody (PA5-38571) in IHC (P)**  
Immunohistochemical analysis of HEXB in paraffin-embedded human colon carcinoma using a HEXB polyclonal antibody (Product # PA5-38571).



**HEXB Antibody (PA5-38571) in WB**  
Western blot analysis of HEXB in extracts from Jurkat cells using a HEXB polyclonal antibody (Product # PA5-38571).

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