

HEXB Antibody

Mouse Monoclonal Antibody [Clone HEXB/7762]

Catalog No	Format	Size
3074-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3074-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3074-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

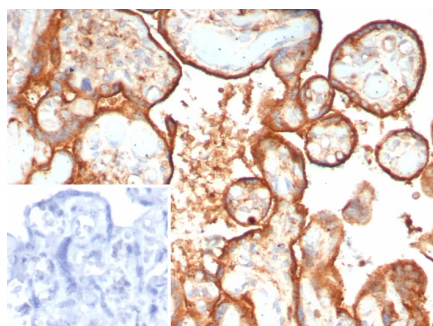
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

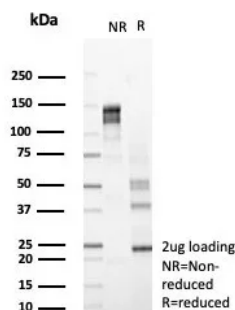
Clone	HEXB/7762
Gene Name	HEXB
Immunogen	Recombinant fragment human HEXB protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	63kDa
Cellular Localization	Lysosome.
Species Reactivity	Human
Positive Control	Human kidney or lung.

**Optimal dilution for a specific application should be determined.*

Product Images for HEXB Antibody



Formalin-fixed, paraffin-embedded human placenta stained with HEXB Mouse Monoclonal Antibody (HEXB/7762). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified HEXB Mouse Monoclonal Antibody (HEXB/7762). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Hexosaminidase B (HEXB), also designated β -hexosaminidase B, is a hexosaminidase B (HEXB), also designated β -hexosaminidase B, is a tetramer of two α -A and two α -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 β 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Immunology, Infectious Disease