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

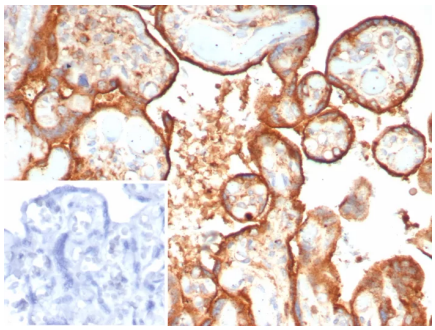
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

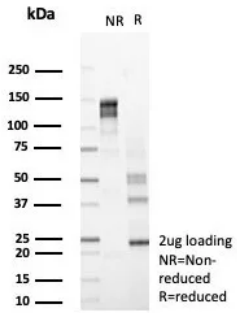
Clone	HEXB/7762
Gene Name	HEXB
Immunogen	Recombinant fragment human HEXB protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	63kDa
Cellular Localization	Lysosome.
Species Reactivity	Human
Positive Control	Human kidney or lung.

**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 ?-hexosaminidase B, is a hexosaminidase B (HEXB), also designated ?-hexosaminidase B, is a tetramer of two ?-A and two ?-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 ? subunit. These mutations disrupt the activity of HEXB and HEXA, which prevents the breakdown of GM2 ganglioside, a fatty material found in the brain, therby 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.

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

Limitations and Warranty