

Product Name: HEXB Rabbit Monoclonal Antibody
Catalog #: AMRe86899



Summary

Production Name	HEXB Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB, IHC-P
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	HEXB
Alternative Names	ENC-1AS; HEL-248; HEL-S-111
Gene ID	3074
SwissProt ID	P07686.

Application

Dilution Ratio	WB: 1:1000-1:5000 IHC-P: 1:20-1:200
Molecular Weight	Calculated MW:63 kDa; Observed MW:63 kDa

Background

Hexosaminidase B is the beta subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2

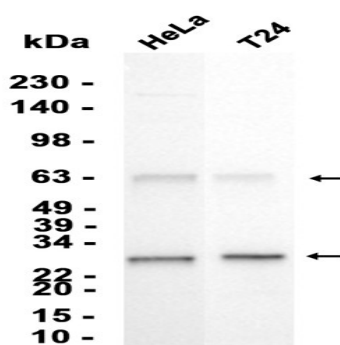
Product Name: HEXB Rabbit Monoclonal Antibody
Catalog #: AMRe86899



activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Beta subunit gene mutations lead to Sandhoff disease (GM2-gangliosidosis type II). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]

Research Area

Image Data



Western blot analysis of extracts from HeLa, T24 cells using AMRe86899 at 1:3000.

Note

For research use only.