

## Product datasheet for **TA366560**

### HEXA Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat, PC3 and HT-29 cell lysates IHC: 100-200 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human HEXA
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	61 kDa
Gene Name:	hexosaminidase subunit alpha
Database Link:	<a href="#">Entrez Gene 3073 Human P06865</a>



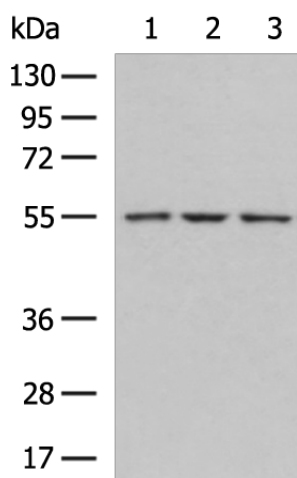
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**Background:**

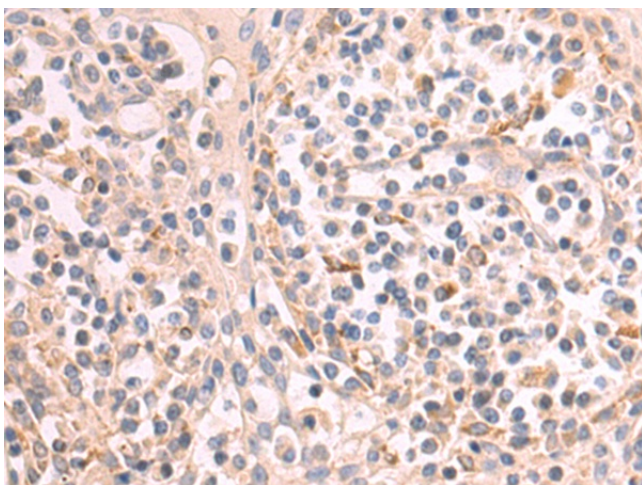
This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene lead to an accumulation of GM2 ganglioside in neurons, the underlying cause of neurodegenerative disorders termed the GM2 gangliosidoses, including Tay-Sachs disease (GM2-gangliosidosis type I). Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

**Synonyms:**

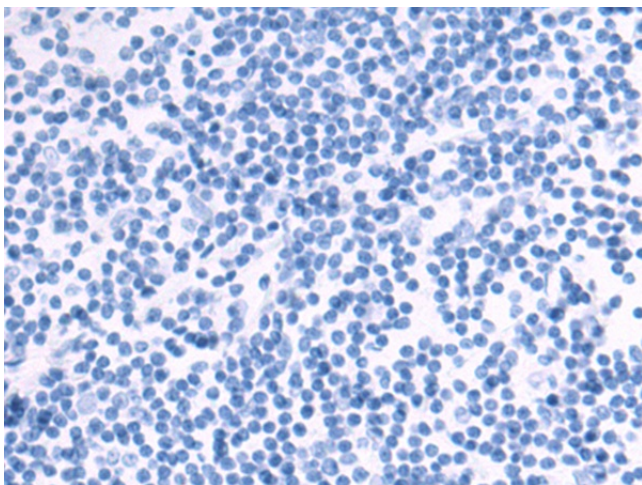
beta-N-acetylhexosaminidase; MGC99608; N-acetyl-beta-glucosaminidase; TSD

**Product images:**

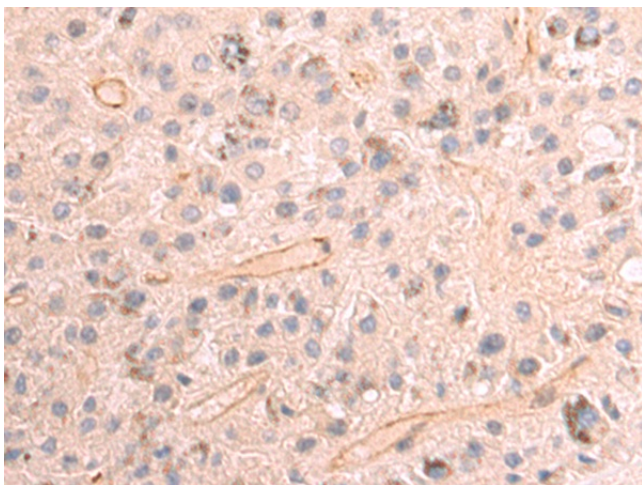
Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane 1-3: Jurkat  
PC3 and HT-29 cell lysates  
Primary antibody: TA366560 (HEXA Antibody) at dilution 1/700  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 1 minute



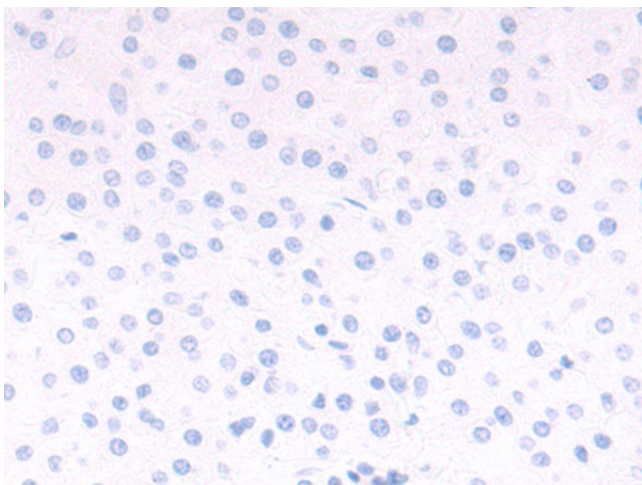
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366560 (HEXA Antibody) at dilution 1/100 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366560 (HEXA Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366560 (HEXA Antibody) at dilution 1/100 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366560 (HEXA Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: x200)