

Rabbit Galc Polyclonal Antibody | anti-Galc antibody

Galc Antibody

CATALOG # AAA322882	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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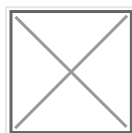
PRODUCT SYNONYMS

Galc; Polyclonal Antibody; Galc Antibody; Gacy; Galactocerebrosidase; Galactocerebroside beta galactosidase; Galactosylceramide beta galactosidase; galactosylceraminidase; GALCERase; Twitcher; anti-Galc antibody

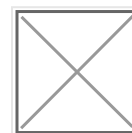
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Galc antibody detects endogenous levels of Galc.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	685
Applicable Applications for anti-Galc antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Galc.
Subcellular Location	Lysosomal.
Tissue Specificity	Detected in urine. Detected in testis, brain and placenta (at protein level). Detected in kidney and liver.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (82%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from mouse lung, using Galc antibody. Lane 1 was treated with the blocking peptide.


WB (Western Blot)

Western blot analysis of extracts of A375 cells, using Galc antibody.



IHC (Immunohistochemistry)

AAA322882 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-Galc antibody	Function: Hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Enzyme with very low activity responsible for the lysosomal catabolism of galactosylceramide, a major lipid in myelin, kidney and epithelial cells of small intestine and colon. Similarity: Belongs to the glycosyl hydrolase 59 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83281450
NCBI GeneID	2581
NCBI Accession #	NP_000144.2
NCBI GenBank Nucleotide #	NM_000153.3
UniProt Accession #	P54803; Q8J030; B4DKE8; B4DYN1; B4DZJ8; B7Z7Z2; J3KN25; J3KPP8
Molecular Weight	Observed: 80 kDa; 30 kDa; 50 kDa Predicted: 78 kDa
NCBI Official Full Name	galactocerebrosidase isoform a
NCBI Official Synonym Full Names	galactosylceramidase
NCBI Official Symbol	GALC
NCBI Protein Information	galactocerebrosidase
UniProt Protein Name	Galactocerebrosidase
UniProt Gene Name	GALC
UniProt Synonym Gene Names	GALCERase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/galc-antibody-immunohistochemistry-western-blot-elisa/322882>