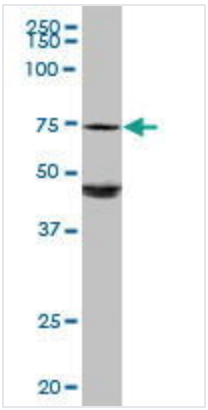
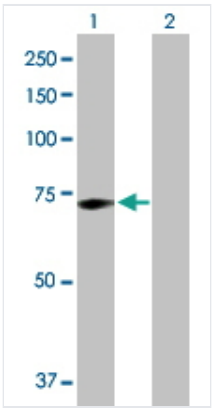
GALC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GALC, Polyclonal Antibody
Full Product Name	GALC (Galactocerebrosidase, GALCERase, Galactocerebroside beta-galactosidase, Galactosylceramidase, Galactosylceramide beta-galactosidase) (
Product Gene Name	anti-GALC antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human GALC.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Immunogen	Full length human GALC, aa1-669 (AAH36518.1).
Immunogen Sequence	MTAAAGSAGRAAVPLLLCALLAPGGAYVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASLHILKVEIGGDGQTTDGTEPSHM
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-GALC antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-GALC antibody	Western Blot (WB)
Application Notes for anti-GALC antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GALC antibody	Hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Enzyme with ve
Other Notes	Small volumes of anti-GALC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for GALC purchase	MBS6379233 is an antibody targeting GALC. Also known as GALC (Galactocerebrosidase, GALCERase, Galactocerebroside beta-galactosidase, Gala



Western Blot (WB) of anti-GALC antibody
GALC rabbit polyclonal antibody. Western Blot analysis of GALC expression in HeLa.



Western Blot (WB) of anti-GALC antibody
Western Blot analysis of GALC expression in transfected 293T cell line by GALC polyclonal antibody. Lane 1: GALC transfected lysate (75.1kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GALC. It may not necessarily be applicable to this product.

NCBI GI #	34783225
NCBI GeneID	2581
NCBI Accession #	BC036518.2
NCBI Related Accession #	AAH36518.1
UniProt Related Accession #	P54803
NCBI Official Full Name	Homo sapiens galactosylceramidase, mRNA
NCBI Official Synonym Full Names	galactosylceramidase
NCBI Official Symbol	GALC
Protein Family	4-carboxy-4-hydroxy-2-oxoadipic acid aldolase
NCBI Protein Information	galactocerebrosidase
NCBI Summary for GALC	This gene encodes a lysosomal protein which hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Mutations in this gene have been associated with Krabbe disease, also known as globoid cell leukodystrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Research Articles on GALC	**1.** Self-association of beta-galactocerebrosidase (human GALC)decreases as the concentration of sodium chloride increases from 50 to 500 mM. This indicates that ionic interactions are involved in the association. These results indicate that GALC has the highest tendency for oligomerization at physiological ionic strength and pH (lysosomal lumen).
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