

Product datasheet for TA336244

OriGene Technologies, Inc.

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Galactosylceramidase (GALC) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for Anti-GALC Antibody: synthetic peptide directed towards the middle

region of human GALC. Synthetic peptide located within the following region:

LMTAQEPWSGHYVVESPVWVSAHTTQFTQPGWYYLKTVGHLEKGGSYVAL

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 73 kDa

Gene Name: galactosylceramidase

Database Link: NP 000144

Entrez Gene 2581 Human

P54803



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Background: GALC is 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. 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.

Synonyms: galactocerebrosidase; galactocerebroside beta-galactosidase; galactosylceramidase;

galactosylceramide beta-galactosidase; galactosylceraminidase; GALCERase;

OTTHUMP00000027906

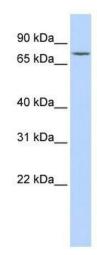
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Rabbit: 100%; Bovine: 93%; Guinea pig: 86%

Protein Families: Druggable Genome

Protein Pathways: Lysosome, Metabolic pathways, Sphingolipid metabolism

Product images:



WB Suggested Anti-GALC Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control:

Jurkat cell lysate