

# GALC antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12506

## Product Information

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Application	WB
Primary Accession	<a href="#">P54803</a>
Other Accession	<a href="#">NM_000153</a> , <a href="#">NP_000144</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77063

## Additional Information

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Gene ID	2581
Other Names	Galactocerebrosidase, GALCERase, 3.2.1.46, Galactocerebroside beta-galactosidase, Galactosylceramidase, Galactosylceramide beta-galactosidase, GALC
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-GALC antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	GALC antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	GALC ( <a href="#">HGNC:4115</a> )
Function	Hydrolyzes the galactose ester bonds of glycolipids such as galactosylceramide and galactosylsphingosine (PubMed: <a href="#">8281145</a> , PubMed: <a href="#">8399327</a> ). 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 (PubMed: <a href="#">8281145</a> , PubMed: <a href="#">8399327</a> ).
Cellular Location	Lysosome.
Tissue Location	Detected in urine. Detected in testis, brain and placenta (at protein level).

Detected in kidney and liver

## References

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Formichi, P., (2007) J. Cell. Physiol. 212(3), 737-743 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-GALC Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500  
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.