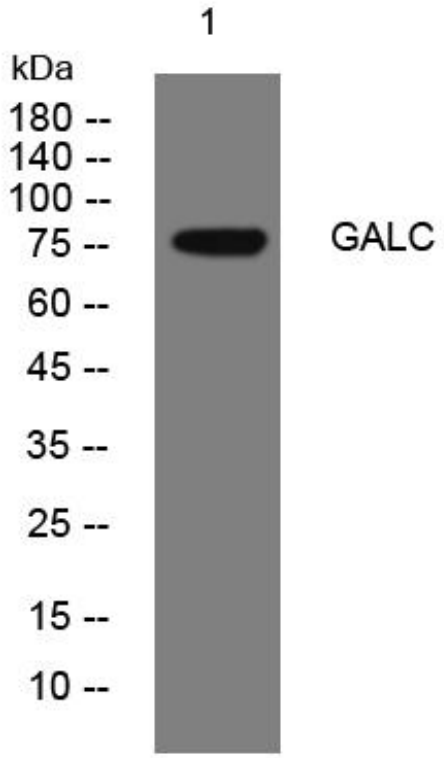
GALC mouse mAb

Catalog No	BYmab-09153
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	GALC
Protein Name	GALC
Immunogen	Synthesized peptide derived from human GALC AA range: 481-531
Specificity	This antibody detects endogenous levels of GALC at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Lysosome.
Tissue Specificity	Detected in urine. Detected in testis, brain and placenta (at protein level). Detected in kidney and liver.
Function	catalytic activity:D-galactosyl-N-acylsphingosine + H(2)O = D-galactose + N-acylsphingosine.,caution:It is uncertain whether Met-1 or Met-17 is the initiator.,disease:Defects in GALC are the cause of leukodystrophy globoid cell (GLD) [MIM:245200]; also known as Krabbe disease. This autosomal recessive disorder results in the insufficient catabolism of several galactolipids that are important in the production of normal myelin. Clinically, the most frequent form is the infantile form. Most patients (90%) present before six months of age with irritability, spasticity, arrest of motor and mental development, and bouts of temperature elevation without infection. This is followed by myoclonic jerks of arms and legs, oposthotonus, hypertonic fits, and mental regression, which progresses to a severe decerebrate condition with no voluntary movements and death from respiratory infections or cereb

Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using GALC mouse mAb