

Datasheet for ABIN7126478 **anti-GCLM antibody**

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Overview

Quantity:	100 µg
Target:	GCLM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GCLM antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human full-length GCLM protein
Isotype:	IgG2a
Specificity:	GCLM known as gamma-glutamylcysteine synthetase, is the first rate limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	GCLM
Alternative Name:	GCLM (GCLM Products)

Target Details

Background:	GCLM Antibody, Gamma-ECS regulatory subunit Antibody, GLCLR Antibody, GCS light chain Antibody, GSC light chain Antibody,Glutamate-Cysteine Ligase Regulatory Subunit Cellular localisation: Cytoplasm.
Molecular Weight:	31kDa
Gene ID:	2730, 315562
UniProt:	P48507

Application Details

Application Notes:	Known_Application: Western Blot (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: A549, HepG2 or HeLa cell lysates. Human muscle and liver tissue.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months