

Anti-GCLM Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 31 kDa. Actual: 31 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	Hela (Human) Cell Lysate at 30 µg
	A673 (Human) Cell Lysate at 30 µg
	Primary: Anti-GCLM (TMAB-06387) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 31 kD
	Observed band size: 31 kD
	2. Sample: NIH/3T3 (Mouse) Cell Lysate at 30 µg
	Primary: Anti-GCLM (TMAB-06387) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 31 kD	
Observed band size: 31 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GCLM
Antigen Species:	Human
Gene ID:	2730
Uniprot ID:	P48507

Research Background

Glutamate-cysteine ligase, also 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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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