



Rabbit Anti-Methyl Glutamine polyclonal antibody (CABT-RM116)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects methylglutamine in proteins.
Target	Methyl Glutamine
Immunogen	KLH-conjugated Gly-Gln (Me)-Gly tripeptide.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	All
Purification	Antiserum was depleted by running over unmethylated protein column.
Conjugate	unconjugated
Applications	WB
Molecular Weight	~51 kDa observed (for methylated CHD5). Uncharacterized bands may be observed in some lysate(s).
Format	Liquid
Size	25 µl
Buffer	Rabbit polyclonal antiserum
Preservative	0.05% sodium azide
Storage	Stable for 1 year at -20°C from date of receipt.

BACKGROUND

Introduction Glutamine methylation occurs on translation termination factors and ribosomal proteins. Protein methylation has been reported to affect various cellular processes including protein stability, protein-protein interaction, and protein localization. Methylation of histone is suggested as a platform to recruit and regulate other chromatin-related factors. Glutamine methylation is brought about by the action of protein glutamine methyltransferase HEMK2 that specifically requires a GQX3R motif for methylation activity. This antibody was tested for glutamine methylation in chromodomain helicase DNA-binding protein 5 (CHD5) that contains multiple PHD and chromo domains and is reported to function as a tumor suppressor.

Keywords Methyl Glutamine; Glutamine
