

## ARG57085 anti-PPME1 antibody [29G3]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [29G3] recognizes PPME1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	29G3
Isotype	IgG1, kappa
Target Name	PPME1
Species	Human
Immunogen	Recombinant fragment around aa. 1-386 of Human PPME1.
Conjugation	Un-conjugated
Alternate Names	PME-1; EC 3.1.1.89; Protein phosphatase methylesterase 1

### Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

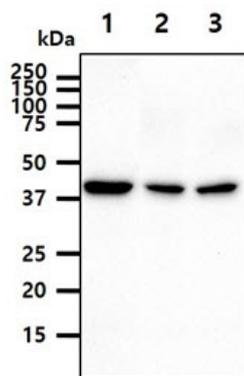
### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 51400 Human</a> <a href="#">Swiss-port # Q9Y570 Human</a>
Gene Symbol	PPME1
Gene Full Name	protein phosphatase methylesterase 1
Background	This gene encodes a protein phosphatase methylesterase localized to the nucleus. The encoded protein acts on the protein phosphatase-2A catalytic subunit and supports the ERK pathway through dephosphorylation of regulatory proteins. It plays a role in malignant glioma progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]
Function	Demethylates proteins that have been reversibly carboxymethylated. Demethylates PPP2CB (in vitro) and PPP2CA. Binding to PPP2CA displaces the manganese ion and inactivates the enzyme. [UniProt]
Calculated Mw	42 kDa
PTM	Phosphorylated by SIK1 following increases in intracellular sodium, leading to dissociation from the protein phosphatase 2A (PP2A) complex and subsequent dephosphorylation of sodium/potassium-transporting ATPase ATP1A1.

## Images



ARG57085 anti-PPME1 antibody [29G3] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) K562 cell lysate, 3) A549 cell lysate stained with ARG57085 anti-PPME1 antibody [29G3] at 1:1000.