

## ARG57029 anti-PPM1F antibody [6D11]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [6D11] recognizes PPM1F
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	6D11
Isotype	IgG1, kappa
Target Name	PPM1F
Species	Human
Immunogen	Recombinant fragment around aa. 1-454 of Human PPM1F.
Conjugation	Un-conjugated
Alternate Names	hFEM-2; FEM-2; CAMKP; POPX2; EC 3.1.3.16; Partner of PIX 2; hFem-2; Protein phosphatase 1F; CaM-kinase phosphatase; CaMKPase; Ca; Protein fem-2 homolog; 2+

### Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

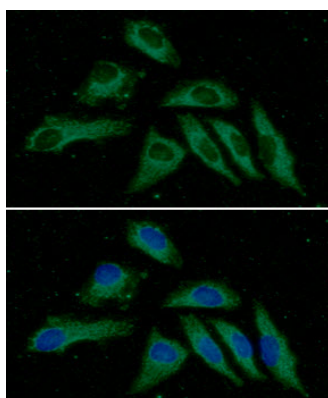
### Properties

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: 9647 Human</a> <a href="#">Swiss-port # P49593 Human</a>
Gene Symbol	PPM1F
Gene Full Name	protein phosphatase, Mg2+/Mn2+ dependent, 1F
Background	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined. [provided by RefSeq, Jul 2008]
Function	Dephosphorylates and concomitantly deactivates CaM-kinase II activated upon autophosphorylation, and CaM-kinases IV and I activated upon phosphorylation by CaM-kinase kinase. Promotes apoptosis. [UniProt]
Calculated Mw	50 kDa

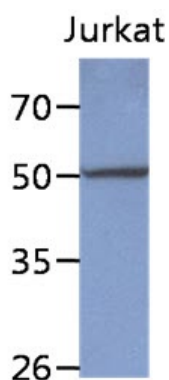
## Images



ARG57029 anti-PPM1F antibody [6D11] ICC/IF image

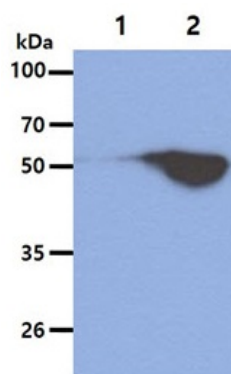
Immunofluorescence: HeLa cell line stained with ARG57029 anti-PPM1F antibody [6D11] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57029 anti-PPM1F antibody [6D11] WB image

Western blot: 40 µg of Jurkat cell lysate stained with ARG57029 anti-PPM1F antibody [6D11] at 1:1000.



ARG57029 anti-PPM1F antibody [6D11] WB image

Western blot: 2 µg of 1) 293T cell lysate, 2) PPM1F Transfected 293T cell lysate stained with ARG57029 anti-PPM1F antibody [6D11] at 1:1000.