antibodies -online.com









Images



Overview

Quantity:	100 μg
Target:	PRKACA
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PRKACA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant PRKACA.
Immunogen:	PRKACA (AAH39846, 1 a.a. \sim 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MGNAAAAKKG SEQESVKEFL AKAKEDFLKK WESPAQNTAH LDQFERIKTL GTGSFGRVML VKHKETGNHY AMKILDKQKV VKLKQIEHTL NEKRILQAVN FPFLVKLEFS FKDNSNLYMV
Clone:	1D7
Isotype:	lgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:

PRKACA

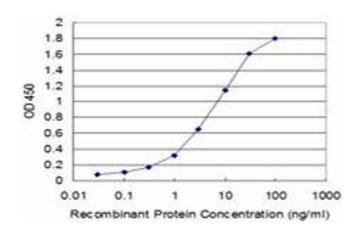
Alternative Name:	PRKACA (PRKACA Products)
Background:	Full Gene Name: protein kinase, cAMP-dependent, catalytic, alpha Synonyms: MGC102831,MGC48865,PKACA
Gene ID:	5566
Pathways:	NF-kappaB Signaling, Hedgehog Signaling, EGFR Signaling Pathway, Neurotrophin Signaling
	Pathway, Thyroid Hormone Synthesis, Carbohydrate Homeostasis, Myometrial Relaxation and
	Contraction, M Phase, G-protein mediated Events, Signaling Events mediated by VEGFR1 and
	VEGFR2, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor
	Signaling, VEGFR1 Specific Signals, Lipid Metabolism, SARS-CoV-2 Protein Interactome, The
	Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Storage Comment:

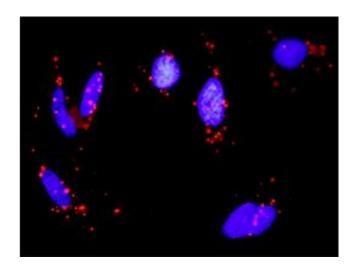
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	In 1x PBS, pH 7.4
Buffer: Handling Advice:	In 1x PBS, pH 7.4 Aliquot to avoid repeated freezing and thawing.

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.



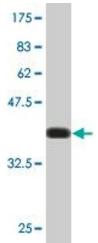
ELISA

Image 1. Detection limit for recombinant GST tagged PRKACA is approximately 0.1ng/ml as a capture antibody.



Proximity Ligation Assay

Image 2. Proximity Ligation Analysis of protein-protein interactions between MAP3K3 and PRKACA. HeLa cells were stained with anti-MAP3K3 rabbit purified polyclonal 1:1200 and anti-PRKACA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blotting

Image 3. Western Blot detection against Immunogen (38.94 KDa) .