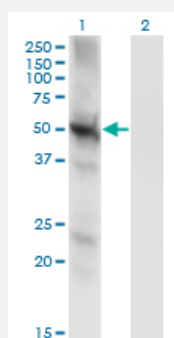


PPP3CC monoclonal antibody (M01), clone 4D1

Catalog # H00005533-M01

Size 100 ug

Applications

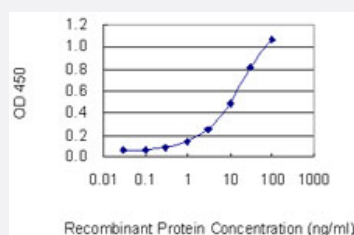


Western Blot (Transfected lysate)

Western Blot analysis of PPP3CC expression in transfected 293T cell line by PPP3CC monoclonal antibody (M01), clone 4D1.

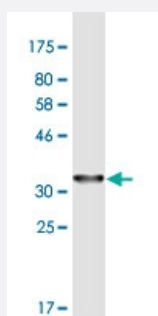
Lane 1: PPP3CC transfected lysate (Predicted MW: 58.1 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPP3CC is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (34.65 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PPP3CC.

Immunogen	PPP3CC (NP_005596.2, 1 a.a. ~ 81 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGRRFHLSTTDRVIKAVFPFPPTQRLTFKEVFENGKPKVDVLKNHLVKEGRLEEEVALKIINDGAAI LRQEKTMIEVDAPI
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.65 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PPP3CC expression in transfected 293T cell line by PPP3CC monoclonal antibody (M01), clone 4D1.

Lane 1: PPP3CC transfected lysate (Predicted MW: 58.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPP3CC is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PPP3CC

Entrez GeneID [5533](#)

GeneBank Accession# [NM_005605](#)

Protein Accession#	NP_005596.2
Gene Name	PPP3CC
Gene Alias	CALNA3
Gene Description	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform
Omim ID	114107
Gene Ontology	Hyperlink
Gene Summary	Calmodulin-dependent protein phosphatase, calcineurin, is involved in a wide range of biologic activities, acting as a Ca(2+)-dependent modifier of phosphorylation status. In testis, the motility of the sperm is thought to be controlled by cAMP-dependent phosphorylation and a unique form of calcineurin appears to be associated with the flagellum. The calcineurin holoenzyme is composed of catalytic and regulatory subunits of 60 and 18 kD, respectively. At least 3 genes, calcineurin A-alpha (CALNA1; MIM 114105), calcineurin A-beta (CALNA2; MIM 114106), and calcineurin A-gamma (CALNA3), have been cloned for the catalytic subunit. These genes have been identified in humans, mice, and rats, and are highly conserved between species (90 to 95% amino acid identity).[s applied by OMIM
Other Designations	calcineurin A gamma

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)