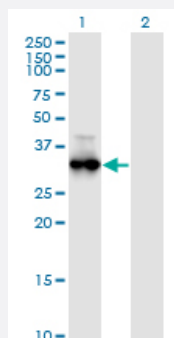


PRKG1 monoclonal antibody (M01), clone 5E5

Catalog # H00005592-M01

Size 100 ug

Applications

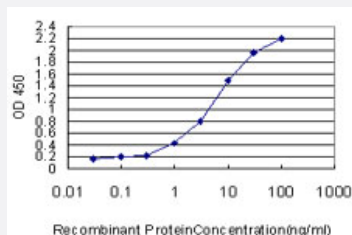


Western Blot (Transfected lysate)

Western Blot analysis of PRKG1 expression in transfected 293T cell line by PRKG1 monoclonal antibody (M01), clone 5E5.

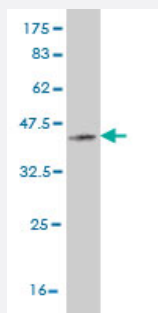
Lane 1: PRKG1 transfected lysate(35.5 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKG1 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PRKG1.

Immunogen	PRKG1 (NP_006249, 73 a.a. ~ 170 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RTKRQAISAEPTAFDIQDLSHVTLFPYKSPQSKDLIKEAILDNDFMKNLELSQIQEIVDCMYPVEYG KDSCIIEGSDVGSLSVYVMEDGKVEVTKEGV
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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 PRKG1 expression in transfected 293T cell line by PRKG1 monoclonal antibody (M01), clone 5E5.

Lane 1: PRKG1 transfected lysate(35.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKG1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PRKG1

Entrez GeneID [5592](#)

GeneBank Accession# [NM_006258](#)

Protein Accession#	NP_006249
Gene Name	PRKG1
Gene Alias	CGKI, DKFZp686K042, FLJ36117, MGC71944, PGK, PKG, PRKG1B, PRKGR1B, cGKI-BETA, cGKI-alpha
Gene Description	protein kinase, cGMP-dependent, type I
Omim ID	176894
Gene Ontology	Hyperlink
Gene Summary	cGMP-dependent
Other Designations	OTTHUMP00000019619 OTTHUMP00000061216 protein kinase, cGMP-dependent, regulatory, type I, beta

Pathway

- [Gap junction](#)
- [Long-term depression](#)
- [Olfactory transduction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Alzheimer Disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Mental Status Schedule](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Personality Inventory](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)