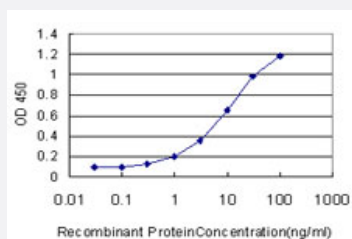


PRKG1 monoclonal antibody (M02), clone 5G9

Catalog # H00005592-M02

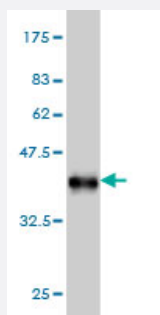
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKG1 is approximately 0.3ng/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	RTKRQAISAEPTAFDIQDLSHVTLPFYKSPQSKDLIKEAILDNDFMKNLELSQIQEIVDCMYPVEYGKDSCIIKEGDVGSLVYVMEDGKVEVTKEGV
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKG1 is approximately 0.3ng/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](#)