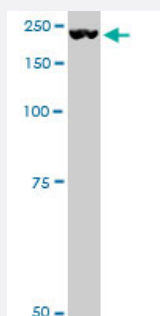


PLXNA2 monoclonal antibody (M06), clone 2G5

Catalog # H00005362-M06

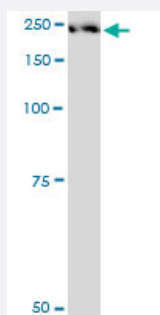
Size 100 ug

Applications



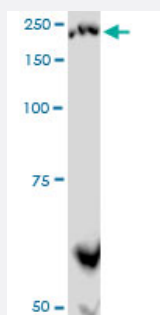
Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in HepG2(Cat # L019V1).



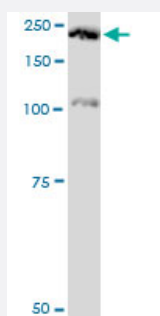
Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in NIH/3T3(Cat # L018V1).



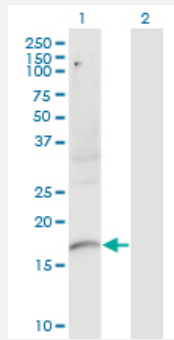
Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in PC-12(Cat # L012V1).



Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in Raw 264.7(Cat # L024V1).

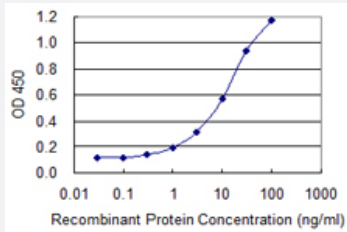


Western Blot (Transfected lysate)

Western Blot analysis of PLXNA2 expression in transfected 293T cell line by PLXNA2 monoclonal antibody (M06), clone 2G5.

Lane 1: PLXNA2 transfected lysate (Predicted MW: 18.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLXNA2 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (43.78 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PLXNA2.
Immunogen	PLXNA2 (AAH32125, 1 a.a. ~ 164 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MHSQVFSAFPYSLPLRFWVNVKNPQFVFDIHKGSITDACLSVVAQTFMDSCSTSEHRLDKDSPS NKLLYAKDIPSYKSWVERYADIKLPASDQDMNAYLAEQSRLHAVEFNMLSALNEISYVSKYSE ELIGALEQDEQARRQLRAYKVEQLINAMSIES
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (97); Rat (97)

Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.78 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 (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in HepG2(Cat # L019V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in PC-12(Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PLXNA2 monoclonal antibody (M06), clone 2G5. Western Blot analysis of PLXNA2 expression in Raw 264.7(Cat # L024V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PLXNA2 expression in transfected 293T cell line by PLXNA2 monoclonal antibody (M06), clone 2G5.

Lane 1: PLXNA2 transfected lysate (Predicted MW: 18.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLXNA2 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PLXNA2

Entrez GeneID [5362](#)

GeneBank Accession# [BC032125](#)

Protein Accession# [AAH32125](#)

Gene Name PLXNA2

Gene Alias FLJ11751, FLJ30634, KIAA0463, OCT, PLXN2

Gene Description plexin A2

Omim ID [601054](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C. [provided by RefSeq]

Other Designations OTTHUMP00000034732|OTTHUMP00000063730|plexin 2|plexin-A2|semaphorin receptor OCT|transmembrane protein OCT

Pathway

- [Axon guidance](#)

Disease

- [Anxiety Disorders](#)

- [Body Weight](#)
- [Depressive Disorder](#)
- [Diseases in Twins](#)
- [Genetic Predisposition to Disease](#)
- [Neurotic Disorders](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Personality Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Psychometrics](#)
- [Schizophrenia](#)
- [Spinal Fractures](#)
- [Stress](#)
- [Tobacco Use Disorder](#)