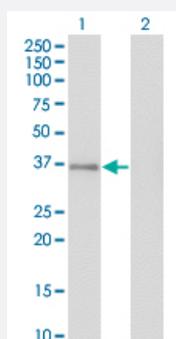


GPS2 monoclonal antibody (M01), clone 3C4

Catalog # H00002874-M01

Size 100 ug

Applications

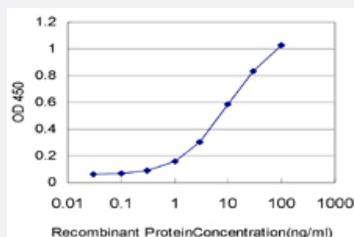


Western Blot (Transfected lysate)

Western Blot analysis of GPS2 expression in transfected 293T cell line by GPS2 monoclonal antibody (M01), clone 3C4.

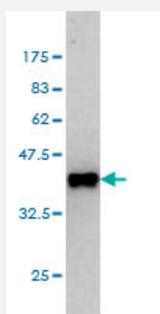
Lane 1: GPS2 transfected lysate (Predicted MW: 36.7 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GPS2 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant GPS2.

Immunogen	GPS2 (AAH13652, 228 a.a. ~ 327 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QPYAVHGHFQPTQTGFLQPGGALSLQKQMEHANQQTGFS DSSSLRPMHPQALHPAPGLLASPQ LPVQMQPAGKSGFAATSQPGPRLPFIQHSQNPRFYHK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 GPS2 expression in transfected 293T cell line by GPS2 monoclonal antibody (M01), clone 3C4.

Lane 1: GPS2 transfected lysate (Predicted MW: 36.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GPS2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GPS2

Entrez GeneID	2874
GeneBank Accession#	BC013652
Protein Accession#	AAH13652
Gene Name	GPS2
Gene Alias	AMF-1, MGC104294, MGC119287, MGC119288, MGC119289
Gene Description	G protein pathway suppressor 2
Omim ID	601935
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a protein involved in G protein-mitogen-activated protein kinase (MAPK) signaling cascades. When overexpressed in mammalian cells, this gene could potently suppress a RAS- and MAPK-mediated signal and interfere with JNK activity, suggesting that the function of this gene may be signal repression. The encoded protein is an integral subunit of the NCOR1-HDAC3 (nuclear receptor corepressor 1-histone deacetylase 3) complex, and it was shown that the complex inhibits JNK activation through this subunit and thus could potentially provide an alternative mechanism for hormone-mediated antagonism of AP1 (activator protein 1) function. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000128385 OTTHUMP00000163158

Publication Reference

- [Involvement of corepressor complex subunit GPS2 in transcriptional pathways governing human bile acid biosynthesis.](#)

Sanyal S, Bavner A, Haroniti A, Nilsson LM, Lundasen T, Rehnmark S, Witt MR, Einarsson C, Talianidis I, Gustafsson JA, Treuter E.

PNAS 2007 Sep; 104(40):15665.

Application: WB-Tr, Human, HepG2 cells