



Mouse anti-Human GPS2 monoclonal antibody, clone 4D5 (CABT-B10358)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	GPS2 (AAH13652, 228 a.a. ~ 327 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4D5
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	QPYAVHGHFQPTQTGFLQPQGGALSLQKQMEHANQQTGFSDSSSLRPMHPQALHPAPGLA SPQLPVQMQPAGKSGFAATSQPGPRLPFIQHSQNPRFYHK
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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
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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, Jul 2008]

Keywords GPS2; G protein pathway suppressor 2; AMF-1; GPS-2;

GENE INFORMATION

Entrez Gene ID [2874](#)

UniProt ID [Q6FHM8](#)

Pathway HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem

Function GTPase inhibitor activity; protein binding; transcription corepressor activity
