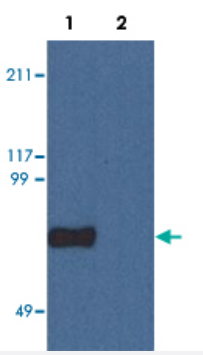
CPNE7 monoclonal antibody, clone CPNE7-01

Catalog # MAB3603 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blotting analysis of CPNE7 using CPNE7 monoclonal antibody, clone CPNE7-01 (Cat # MAB3603) in nuclear cell lysate (1) and cytoplasmic fraction (2) of HeLa cell extracts.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CPNE7.
Immunogen	Recombinant GST fusion protein corresponding to C-terminus human CPNE7.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes C terminus of human CPNE7, a calcium-bindingcytoplasmic protein expres sed mainly in brain.
Form	Liquid
Isotype	IgG
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — CPNE7

Entrez GeneID	27132
Gene Name	CPNE7
Gene Alias	MGC34192
Gene Description	copine VII
Omim ID	605689
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the copine family, which is composed of calcium-dependent me mbrane-binding proteins. The gene product contains two N-terminal C2 domains and one von Will ebrand factor A domain. The encoded protein may be involved in membrane trafficking. Two alter natively spliced transcript variants encoding different isoforms have been found for this gene. [pro vided by RefSeq
Other Designations	OTTHUMP00000175355|copine 7

Publication Reference

- No ligand binding in the GB2 subunit of the GABA(B) receptor is required for activation and allosteric interaction between the subunits.

  Kniazeff J, Galvez T, Labesse G, Pin JP.

  Journal of Neuroscience 2002 Sep; 22(17):7352.

- Function of GB1 and GB2 subunits in G protein coupling of GABA(B) receptors.

  Margeta-Mitrovic M, Jan YN, Jan LY.

  PNAS 2001 Nov; 98(25):14649.

- Gamma-aminobutyric acid type B receptors with specific heterodimer composition and postsynaptic actions in hippocampal neurons are targets of anticonvulsant gabapentin action.

  Ng GY, Bertrand S, Sullivan R, Ethier N, Wang J, Yergey J, Belley M, Trimble L, Bateman K, Alder L, Smith A, McKernan R, Metters K, O'Neill GP, Lacaille JC, Hébert TE.

  Molecular Pharmacology 2001 Jan; 59(1):144.