ARG53922
anti-CPNE7 antibody [CPNE7-01]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CPNE7-01] recognizes CPNE7
Tested Reactivity	Hu
Tested Application	WB
Specificity	The clone CPNE7-01 recognizes C terminus of human CPNE7, a calcium-binding cytoplasmic protein expressed mainly in brain.
Host	Mouse
Clonality	Monoclonal
Clone	CPNE7-01
Isotype	IgG
Target Name	CPNE7
Species	Human
Immunogen	Bacterially produced GST-fused C terminus of human CPNE7.
Conjugation	Un-conjugated
Alternate Names	Copine-7; Copine VII

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

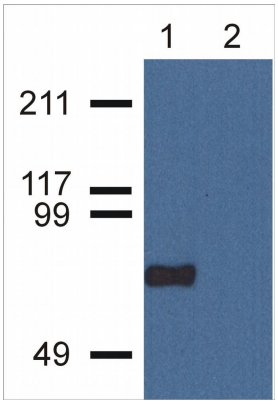
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 27132 Human Swiss-port # Q9UBL6 Human
Gene Symbol	CPNE7
Gene Full Name	copine VII
Background	CPNE7 (copine VII) is a member of highly conserved copine family, which is composed of calcium-dependent membrane-binding proteins containing two N-terminal C domains and a C-terminal A domain (von Willenbrand domain). There is an evidence that copines (at least copine III) may represent a novel unconventional kinase family. CPNE7 is expressed mainly in brain, but also in duodenum, jejunum, thymus and testes.
Function	May function in membrane trafficking. Exhibits calcium-dependent phospholipid binding properties (By similarity). [UniProt]
Research Area	Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	70 kDa

Images



ARG53922 anti-CPNE7 antibody [CPNE7-01] WB image

Western blot: 1. HeLa nuclear fraction 2. HeLa cytoplasmic fraction stained with ARG53922 anti-CPNE7 antibody [CPNE7-01].