

Datasheet for ABIN7043395
anti-NIPA2 antibody (2nd Extracellular Loop)

2 Images

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Overview

Quantity:	25 µL
Target:	NIPA2
Binding Specificity:	2nd Extracellular Loop, AA 137-148
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NIPA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ETLNEMSHKLGD, corresponding to amino acid residues 137-148 of mouse magnesium transporter NIPA2
Isotype:	IgG
Characteristics:	Anti-NIPA2 (extracellular) Antibody (ABIN7043395, ABIN7044845 and ABIN7044846)) is directed against an epitope of mouse magnesium transporter NIPA2. Anti-NIPA2 (extracellular) Antibody (ABIN7043395, ABIN7044845 and ABIN7044846)) can be used in western blot and immunocytochemistry in living cells. It has been designed to recognize NIPA2 from rat, human and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

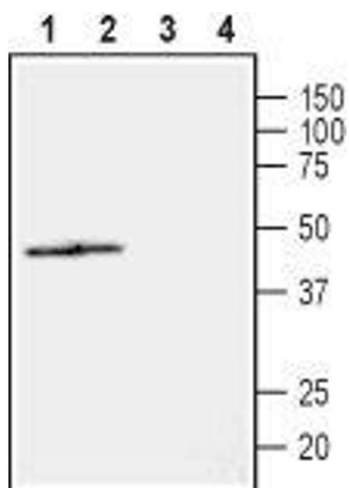
Target:	NIPA2
Alternative Name:	NIPA2 (NIPA2 Products)
Background:	Alternative names: NIPA2, Magnesium transporter NIPA2, Non-imprinted in Prader-Willi/Angelman syndrome region protein 2 homolog
Gene ID:	93790
NCBI Accession:	NM_030922
UniProt:	Q9JJC8
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

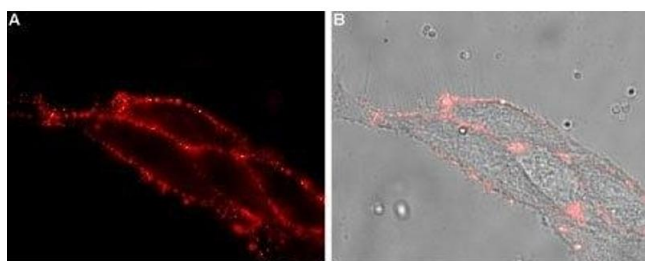
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) heart lysates: - 1,2. Anti-NIPA2 (extracellular) Antibody (ABIN7043395, ABIN7044845 and ABIN7044846), (1:200).3,4. Anti-NIPA2 (extracellular) Antibody, preincubated with NIPA2 (extracellular) Blocking Peptide (#BLP-NT142).



Immunocytochemistry

Image 2. Expression of Magnesium transporter NIPA2 in rat C6 cells - Cell surface detection of NIPA2 in rat brain glioma C6 cells. A. Extracellular staining of cells with Anti-NIPA2 (extracellular) Antibody (ABIN7043395, ABIN7044845 and ABIN7044846), (1:50), (red). B. Merged image of A with live view of cell.