Datasheet for ABIN7043318

anti-MAGT1 antibody (Extracellular, N-Term)

5 Images

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Overview

Quantity:	0.2 mL
Target:	MAGT1
Binding Specificity:	AA 28-40, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAGT1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SAQRKKEMVLSEK, corresponding to amino acid residues 28-40 of human MAGT1
Isotype:	IgG
Cross-Reactivity (Details):	The immunizing peptide bears some homology (7 out of 13 amino acid residues) with the related protein TUSC3 (Accession Q13454).
Characteristics:	Anti-MAGT1 (extracellular) Antibody (ABIN7043318, ABIN7044863 and ABIN7044864)) is a highly specific antibody directed against an extracellular epitope of the human protein. The antibody can be used in western blot, immunohistochemistry and flow cytometry applications. It has been designed to recognize MAGT1 from mouse, rat and human samples.

Product Details

Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	MAGT1
Alternative Name:	MAGT1 (MAGT1 Products)
Background:	Alternative names: Magnesium Transporter 1, Oligosaccharyl Transferase Subunit MAGT1, Implantation-Associated Protein, SLC58A1
Gene ID:	44171
NCBI Accession:	NM_032121
UniProt:	Q9H0U3
Pathways:	Cell RedoxHomeostasis

Application Details

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

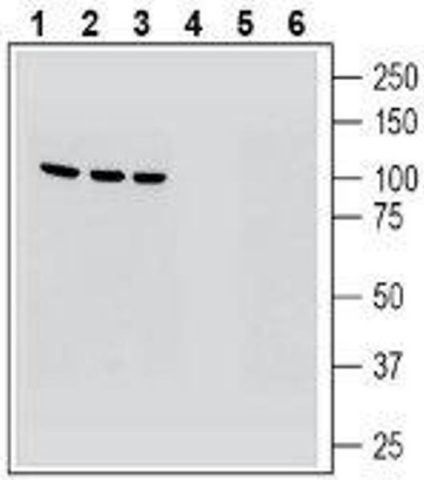
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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

Handling

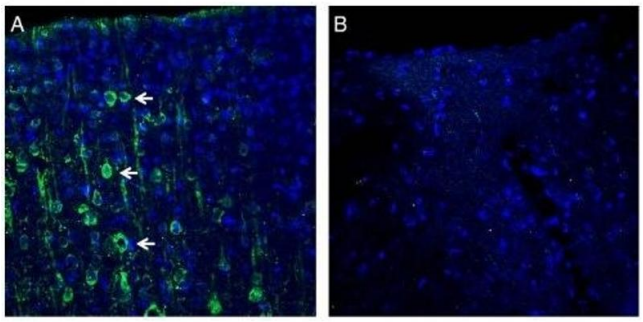
thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



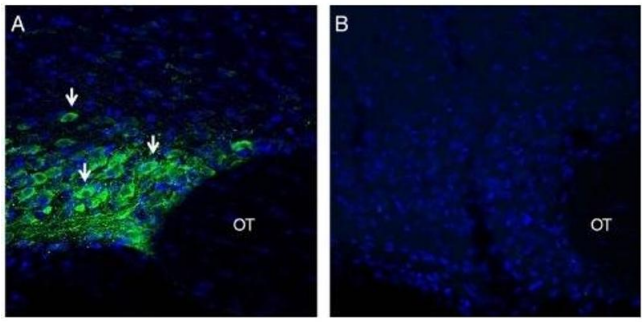
Western Blotting

Image 1. Western blot analysis of human HepG2 hepatocarcinoma cell line lysate (lanes 1 and 4), human Jurkat T-cell leukemia cell line lysate (lanes 2 and 5) and human THP-1 monocytic leukemia cell line lysate (lanes 3 and 6): - 1-3. Anti-MAGT1 (extracellular) Antibody (ABIN7043318, ABIN7044863 and ABIN7044864), (1:200). 4-6. Anti-MAGT1 (extracellular) Antibody, preincubated with MAGT1 (extracellular) Blocking Peptide (BLP-NT197).



Immunohistochemistry

Image 2. Expression of MAGT1 in rat cortex. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-MAGT1 (extracellular) Antibody (ABIN7043318, ABIN7044863 and ABIN7044864), (1:300), followed by goat anti-rabbit-AlexaFluor-488. A. Staining in the parietal cortex region showed MAGT1 immunoreactivity (green) in neuronal profiles (arrows). B. Pre-incubation of the antibody with MAGT1 (extracellular) Blocking Peptide (BLP-NT197), suppressed staining. Cell nuclei are stained with DAPI (blue).



Immunohistochemistry

Image 3. Expression of MAGT1 in rat supra-optic nucleus. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-MAGT1 (extracellular) Antibody (ABIN7043318, ABIN7044863 and ABIN7044864), (1:300), followed by goat anti-rabbit-AlexaFluor-488. A. MAGT1 immunoreactivity (green) appears in neuronal profiles (arrows). B. Pre-incubation of the antibody with MAGT1 (extracellular) Blocking Peptide (BLP-NT197), suppressed

staining. Cell nuclei are stained with DAPI (blue). OT = optic tract.

Please check the product details page for more images. Overall 5 images are available for ABIN7043318.