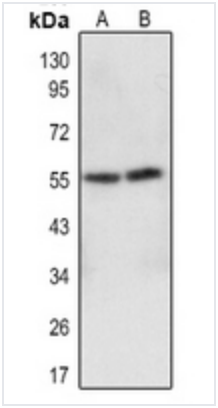
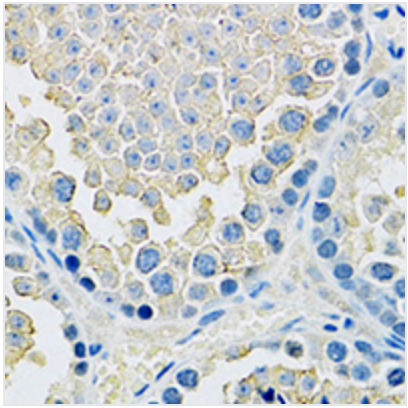
SLC2A9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

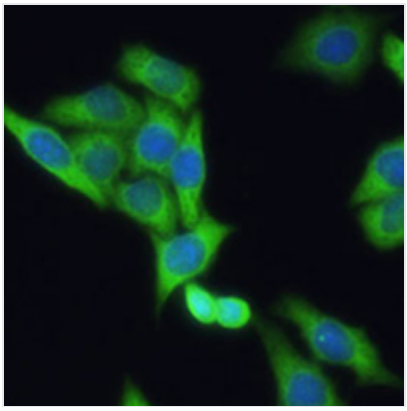
Product Name	SLC2A9, Polyclonal Antibody
Full Product Name	Anti-SLC2A9 Antibody
Product Gene Name	anti-SLC2A9 antibody
Product Synonym Names	Probable ATP-dependent RNA helicase SLC2A9
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of SLC2A9 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	160,248 Da
OMIM	AC093208 Genomic DNA
3D Structure	ModBase 3D Structure for Q9H6S0
Immunogen	Recombinant protein of human SLC2A9. The exact sequence is proprietary.
Applications Tested/Suitable for anti-SLC2A9 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-SLC2A9 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-SLC2A9 antibody	MBS8305906 is an antibody targeting SLC2A9. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to SLC2A9
Other Notes	Small volumes of anti-SLC2A9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SLC2A9 antibody
Western blot analysis of SLC2A9 expression in Hela (A), mouse brain (B) whole cell lysates.



Immunohistochemistry (IHC) of anti-SLC2A9 antibody
Immunohistochemical analysis of SLC2A9 staining in mouse testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF)/Immunocytochemistry (ICC) of anti-SLC2A9 antibody
Immunofluorescent analysis of SLC2A9 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC2A9. It may not necessarily be applicable to this product.

NCBI GI #	269847874
NCBI GeneID	64848
NCBI Accession #	NP_073739.3
UniProt Primary Accession #	Q9H6S0
UniProt Secondary Accession #	B2RR83
UniProt Related Accession #	Q9H6S0
GenBank Nucleotide #	NM_022828.4
NCBI Official Full Name	probable ATP-dependent RNA helicase YTHDC2 isoform 1
NCBI Official Synonym Full Names	YTH domain containing 2
NCBI Official Symbol	YTHDC2

NCBI Official Synonym Symbols	CAHL
UniProt Protein Name	Probable ATP-dependent RNA helicase YTHDC2
UniProt Synonym Protein Names	YTH domain-containing protein 2
Protein Family	Solute carrier family
UniProt Gene Name	YTHDC2
NCBI Protein Information	probable ATP-dependent RNA helicase YTHDC2
NCBI Summary for SLC2A9	This gene encodes a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box family of RNA helicases. The encoded protein binds to N6-methyladenosine, a common modified RNA nucleotide that is enriched in the stop codons and 3' UTRs of eukaryotic messenger RNAs. Binding of proteins to this modified nucleotide may regulate mRNA translation and stability. This gene may be associated with susceptibility to pancreatic cancer in human patients, and knockdown of this gene resulted in reduced proliferation in a human liver cancer cell line. [provided by RefSeq, Sep 2016]
UniProt Comments for SLC2A9	YTHDC2: Belongs to the DEAD box helicase family. DEAH subfamily. Protein type: EC 3.6.4.13; RNA-binding Chromosomal Location of Human Ortholog: 5q22.2 Cellular Component: endoplasmic reticulum Molecular Function: ATP binding; ATP-dependent RNA helicase activity; N6-methyladenosine-containing RNA binding; protein binding; RNA binding; RNA polymerase binding; RNA-dependent ATPase activity Biological Process: response to tumor necrosis factor; RNA processing
Research Articles on SLC2A9	**1.** Suggest that RNA helicase YTHDC2 contributes to colon adenocarcinoma metastasis by promoting translation of HIF-1alpha.
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