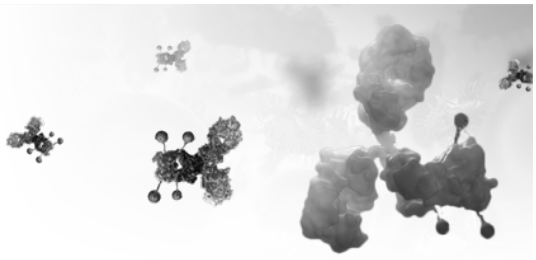

Mouse Anti-Human hENT1 monoclonal antibody, clone JID706 (CABT-L2921)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human hENT1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID706
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Adrenal Cortex, Kidney, Thyroid, Tonsil, Normal Pancreas
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The human Equilibrative Nucleoside Transporter 1 (hENT1) mediates the cellular uptake of physiologic nucleosides, including adenosine, as well as many anti-cancer drugs including gemcitabine, cytarabine, and decitabine. De ciency of hENT1 can lead to resistance of such drugs, and the abundance of hENT1 protein in the plasma membrane is a major indicator of the e ciency and clinical outcome of these anti-cancer nucleosides.
Keywords	SLC29A1;solute carrier family 29 (equilibrative nucleoside transporter), member 1;ENT1;equilibrative nucleoside transporter 1;nucleoside transporter, es-type;solute carrier family 29 member 1;solute carrier family 29, member 1;equilibrative NBMPR-sensitive nucleoside transporter;solute carrier family 29 (nucleoside transporters), member 1;equilibrative nitrobenzylmercaptopurine riboside-sensitive nucleoside transporter

GENE INFORMATION

Gene Name	SLC29A1 solute carrier family 29 (equilibrative nucleoside transporter), member 1 [Homo sapiens (human)]
Official Symbol	SLC29A1
Synonyms	SLC29A1; solute carrier family 29 (equilibrative nucleoside transporter), member 1; ENT1; equilibrative nucleoside transporter 1; nucleoside transporter, es-type; solute carrier family 29 member 1; solute carrier family 29, member 1; equilibrative NBMPR-sensitive nucleoside transporter; solute carrier family 29 (nucleoside transporters), member 1; equilibrative nitrobenzylmercaptopurine riboside-sensitive nucleoside transporter; equilibrative nitrobenzylmercaptopurine riboside (NBMPR)-sensitive nucleoside transporter;
Entrez Gene ID	2030
Protein Refseq	NP_001071643
UniProt ID	Q99808
Chromosome Location	6p21.1
Pathway	Alcoholism; Fluoropyrimidine Activity; SLC-mediated transmembrane transport; Transmembrane transport of small molecules; Transport of nucleosides and free purine and

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	pyrimidine bases across the plasma membrane; Transport of vitamins, nucleosides, and related molecules;
Function	nucleoside transmembrane transporter activity;

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