



S29A2 Polyclonal Antibody

Catalog No	YP-Ab-07799
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	SLC29A2 DER12 ENT2 HNP36
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	S29A2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DER12;ENT2;HNP36;hENT2;mENT2;rENT2;S29A2_HUMAN;SLC29A2;36 kDa nucleolar protein HNP36;Delayed-early response protein 12;Equilibrative nitrobenzylmercaptapurine riboside-insensitive nucleoside transporter (Equilibrative NBMPR-insensitive nucleoside transporter);Hydrophobic nucleolar protein;36 kDa;Nucleoside transporter;ei-type;Solute carrier family 29 member 2; S29A2_MOUSE;36 kDa hydrophobic nucleolar protein;Q9JIT8_MOUSE; S29A2_RAT;solute carrier family 29 (equilibrative nucleoside transporter); member 2;S29A2;SLC29A2 DER12 ENT2 HNP36;Equilibrative nucleoside transporter 2 (36 kDa nucleolar protein HNP36) (Delayed-early response protein 12) (Equilibrative nitrobenzylmercaptapurine riboside-insensitive nucleoside transporter) (Equil
Observed Band	50 kDa
Calculated Molecular Weight	50 kDa
Cell Pathway	Basolateral cell membrane ; Multi-pass membrane protein . Nucleus membrane ; Multi-pass membrane protein . Localized at the basolateral cell membrane in polarized MDCK cells.
Tissue Specificity	Expressed in skeletal muscle, liver, lung, placenta, brain, heart, kidney and ovarian tissues.



Function	function:Mediates equilibrative transport of purine, pyrimidine nucleosides and the purine base hypoxanthine. Less sensitive than SLC29A1 to inhibition by nitrobenzylthioinosine (NBMPR), dipyridamole, dilazep and draflazine., induction:By platelet derived growth factor (PDGF) and fibroblast growth factor (FGF).,similarity:Belongs to the SLC29A transporter family.,tissue specificity:Expressed in placenta, brain, heart and ovarian tissues.,
Background	The uptake of nucleosides by transporters, such as SLC29A2, is essential for nucleotide synthesis by salvage pathways in cells that lack de novo biosynthetic pathways. Nucleoside transport also plays a key role in the regulation of many physiologic processes through its effect on adenosine concentration at the cell surface (Griffiths et al., 1997 [PubMed 9396714]).[supplied by OMIM, Nov 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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