



CTR2 mouse mAb

Catalog No	YP-mAb-17135
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC7A2 ATRC2 CAT2
Immunogen	Synthesized peptide derived from human C-terminal CTR2
Specificity	This antibody detects endogenous levels of CTR2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Mouse,Monoclonal
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CTR2;Slc31a2;SLC7A2;SLC7A2 ATRC2 CAT2;Low affinity cationic amino acid transporter 2 (CAT-2) (CAT2) (Solute carrier family 7 member 2);SLC31A2 COPT2 CTR2
Observed Band	16kDa
Calculated Molecular Weight	16kDa
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed at high levels in the skeletal muscle, placenta and ovary. Expressed at intermediate levels in the liver and pancreas and at low levels in the kidney and heart.
Function	Functions as permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine); the affinity for its substrates differs between isoforms created by alternative splicing. Isoform 1 functions as permease that mediates the transport of the cationic amino acids (arginine, lysine and ornithine) , and it has much higher affinity for arginine than isoform 2. Isoform 2 functions as low-affinity, high capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) . May play a role in classical or alternative activation of macrophages via its role in arginine transport.



Background

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.

Products Images