

CTR2 rabbit pAb

Catalog No :	YT8091
Reactivity :	Human;Mouse;Rat
Applications :	IHC;WB
Target :	SLC7A2
Gene Name :	SLC7A2 ATRC2 CAT2
Protein Name :	Low affinity cationic amino acid transporter 2 (CAT-2) (CAT2) (Solute carrier family 7 member 2)
Human Gene Id :	6542
Human Swiss Prot No :	P52569
Mouse Gene Id :	11988
Mouse Swiss Prot No :	P18581
Rat Gene Id :	64554
Rat Swiss Prot No :	B5D5N9
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	72kD
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.
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	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.

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