

ADR2 rabbit pAb

Catalog No :	YT7642
Reactivity :	Human;Mouse
Applications :	WB
Target :	ADR2
Fields :	>>AMPK signaling pathway;>>Longevity regulating pathway;>>Adipocytokine signaling pathway;>>Non-alcoholic fatty liver disease;>>Alcoholic liver disease
Gene Name :	ADIPOR2 PAQR2
Protein Name :	ADR2
Human Gene Id :	79602
Human Swiss Prot No :	Q86V24
Mouse Gene Id :	68465
Mouse Swiss Prot No :	Q8BQS5
Immunogen :	Synthesized peptide derived from human ADR2 AA range: 62-112
Specificity :	This antibody detects endogenous levels of ADR2 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1[?]500-2000
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 : 42kD

Background : The adiponectin receptors, ADIPOR1 (MIM 607945) and ADIPOR2, serve as receptors for globular and full-length adiponectin (MIM 605441) and mediate increased AMPK (see MIM 602739) and PPAR-alpha (PPARA; MIM 170998) ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin (Yamauchi et al., 2003 [PubMed 12802337]).[supplied by OMIM, Mar 2008],

Function : function:Receptor for globular and full-length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin. Has some intermediate-affinity receptor activity for both globular and full-length adiponectin.,online information:Adiponectin entry,similarity:Belongs to the ADIPOR family.,subcellular location:Localized to the cell membrane and intracellular organelles.,subunit:May form homo and heteromultimers.,tissue specificity:Highly expressed in skeletal muscle, liver and placenta. Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung.,

Subcellular Location : Cell membrane ; Multi-pass membrane protein . Localized to the cell membrane and intracellular organelles. .

Expression : Ubiquitous (PubMed:16044242). Highly expressed in skeletal muscle, liver and placenta (PubMed:12802337). Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung (PubMed:12802337).

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