

Datasheet for ABIN306945

anti-Adiponectin Receptor 1 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	Adiponectin Receptor 1 (ADIPOR1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adiponectin Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide near the N terminus of human Adiponectin Receptor 1 protein.
Cross-Reactivity:	Human
Characteristics:	Adiponectin receptor protein 1, Progestin and adipoQ receptor family member I, ADIPOR1, PAQR1, CGI-45, Alzheimer's disease (AD) is characterized by formation of plaques of amyloid beta peptide (Abeta). Autosomally-inherited AD had been shown only in connection with coding sequence mutations. Likely transcription factors whose mutation can cause loss of function are ADR1, MIG1, and PuF, and for gain of function, E12/E47, ITF-2, and RFX2. Adr1 controls the expression of genes required for ethanol, glycerol, and fatty acid utilization (in yeast). Adr1 can act directly on the promoters of ADH2, ACS1, GUT1, CTA1, and POT1. The yeast homolog of the AMP-activated protein kinase, Snf1, promotes Adr1 chromatin binding in the absence of glucose, and the protein phosphatase complex, Glc7.Reg1, represses its binding in the presence of glucose. A post-translational process is involved in the regulation of Adr1 binding.

Product Details

Chromatin binding by Adr1 is not the only step in ADH2 transcription that is regulated by glucose repression, Adr1 can bind to chromatin in repressed conditions in the presence of hyperacetylated histones. In yeast, nuclear extracts prepared from glucose-repressed and glucose-derepressed cells are equally capable of supporting miniAdr1-dependent transcription and pre-initiation complex formation.

Purification: Ammonium Sulfate Precipitation

Target Details

Target: Adiponectin Receptor 1 (ADIPOR1)

Alternative Name: Adiponectin Receptor 1 ([ADIPOR1 Products](#))

UniProt: [Q96A54](#)

Pathways: [AMPK Signaling](#)

Application Details

Application Notes: Antibody can be used for Western blotting (5-10 µg/mL) and ELISA. Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles