

ADIPOR1 Antibody

Rabbit mAb

Catalog # AP90730

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q96A54
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Adiponectin receptor protein 1; Progestin and adipoQ receptor family member I ; CGI-45; PAQR1; ADIPOR1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	42616

Additional Information

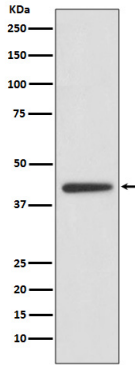
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ADIPOR1
Description	Regulate fatty acid oxidation and the uptake of glucose by adiponectin. Each receptor activates a unique set of signaling molecules including AMPK, p38 MAPK and PPAR?. AdipoR1 has a high-affinity for globular adiponectin and low-affinity for full-length adiponectin, while AdipoR2 has an intermediate affinity for both forms.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ADIPOR1 (HGNC:24040)
Function	Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed: 12802337 , PubMed: 25855295). Required for normal glucose and fat homeostasis and for maintaining a normal body weight. ADIPOQ-binding activates a signaling cascade that leads to increased AMPK activity, and ultimately to increased fatty acid oxidation, increased glucose uptake and decreased gluconeogenesis. Has high affinity for globular adiponectin and low affinity for full-length adiponectin (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein Note=Localized to the cell membrane and intracellular organelles
Tissue Location	Widely expressed (PubMed:16044242). Highly expressed in heart and skeletal

muscle (PubMed:12802337). Expressed at intermediate level in brain, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes (PubMed:12802337). Weakly expressed in colon, thymus and small intestine (PubMed:12802337)

Images



Western blot analysis of ADIPOR1 expression in Human heart lysate.

Image not found : 202311/AP90730-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human kidney, using ADIPOR1 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.