

KD-Validated Anti-Adiponectin receptor 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1312

Product Information

Application	WB, FC, ICC
Primary Accession	Q96A54
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3150
Calculated MW	42616
Gene Name	ADIPOR1
Aliases	ADIPOR1; Adiponectin Receptor 1; PAQR1; ACDOR1; Progestin And AdipoQ Receptor Family Member 1; Progestin And AdipoQ Receptor Family Member I; Adiponectin Receptor Protein 1; TESBP1A; CGI-45; CGI45
Immunogen	A synthesized peptide derived from human ADIPOR1

Additional Information

Gene ID	51094
Other Names	Adiponectin receptor protein 1, Progestin and adipoQ receptor family member 1, Progestin and adipoQ receptor family member I, ADIPOR1 (HGNC:24040)

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)

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