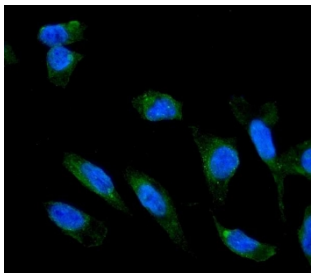
ADIPOR1 Antibody (R32299)

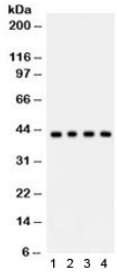
Catalog No.	Formulation	Size
R32299	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q96A54
Applications	Western blot: 0.1-0.5ug/ml Immunofluorescence (FFPE): 2-4ug/ml
Limitations	This ADIPOR1 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with ADIPOR1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat thymus, 2) rat testis, 3) human MCF7 and 4) A549 lysate with ADIPOR1 antibody. Expected/observed molecular weight ~43 kDa.

Description

ADIPOR1 is known as Adiponectin receptor protein 1. This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by adipocytes which regulates fatty acid catabolism and glucose levels. Binding of adiponectin to the encoded protein results in activation of an AMP-activated kinase signaling pathway which affects levels of fatty acid oxidation and insulin sensitivity. A pseudogene of this gene is located on chromosome 14. Multiple alternatively spliced transcript variants have been found for this gene.

Application Notes

Optimal dilution of the ADIPOR1 antibody should be determined by the researcher.

Immunogen

Amino acids EQTCPVPQEEEEEVRVLTLPLQAHHAME of human ADIPOR1 were used as the immunogen for the ADIPOR1 antibody.

Storage

After reconstitution, the ADIPOR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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