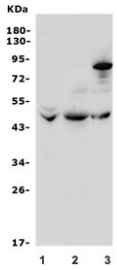
Beta 3 Adrenergic Receptor Antibody / ADRB3 (RQ5645)

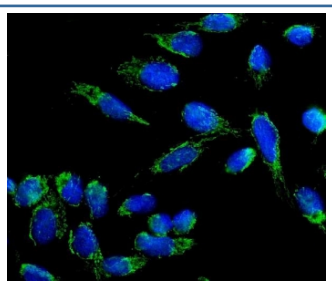
Catalog No.	Formulation	Size
RQ5645	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P13945
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Beta 3 Adrenergic Receptor antibody is available for research use only.



Western blot testing of 1) human HEK293, 2) rat liver and 3) mouse liver lysate with Beta 3 Adrenergic Receptor antibody. Predicted molecular weight ~44 kDa.



Immunofluorescent staining of FFPE human U-2 OS cells with Beta 3 Adrenergic Receptor antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

The beta-3 adrenergic receptor, also known as ADRB3, is a beta-adrenergic receptor, and also denotes the human gene encoding it. It is mapped to 8p11.23. The protein encoded by this gene belongs to the family of beta adrenergic receptors, which mediate catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor is located mainly in the adipose tissue and is involved in the regulation of lipolysis and thermogenesis. Obesity and bodyweight-related disorders are correlated with certain polymorphisms in three subtypes of beta-adrenoceptor, among them, the ADRB3 gene.

Application Notes

Optimal dilution of the Beta 3 Adrenergic Receptor antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R179-S250) was used as the immunogen for the Beta 3 Adrenergic Receptor antibody.

Storage

After reconstitution, the Beta 3 Adrenergic Receptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.