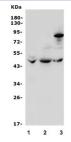


# Beta 3 Adrenergic Receptor Antibody / ADRB3 (RQ5645)

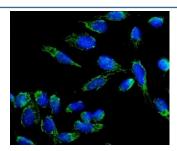
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ5645      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## **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.