

## Product datasheet for **AM05339PU-N**

### Adra2b Mouse Monoclonal Antibody [Clone ID: 5G10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5G10
Applications:	IHC, WB
Recommended Dilution:	Western blot (1-5 µg/ml). Immunohistochemistry. <i>Positive Control/Tissue Expression:</i> MDCK cells transfected with Rat alpha2B adrenergic receptors.
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide internal sequence corresponding to the third intracellular loop of Rat alpha 2b Adrenergic Receptor.
Formulation:	PBS containing 0.08% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	adrenoceptor alpha 2B
Database Link:	<a href="#">Entrez Gene 24174 Rat P19328</a>



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**Background:**

The rat alpha 2b adrenergic receptor is a G protein coupled receptor which acts through Gi2 and is responsible for Cellular communication and signal transduction. These receptors are linked to pertussis toxin-sensitive G proteins. Agonist binding leads to inhibition of adenylyl cyclase, inhibition of Ca(2+) channels and activation of K(+) channels. Recently, three distinct subtypes of alpha(2)-AR were described, alpha(2A)-AR, alpha(2B)-AR and alpha(2C)-AR. At present, it is unknown which of these alpha(2)-AR subtype(s) may regulate insulin secretion.

**Synonyms:**

ADRA2L1, ADRA2RL1, Alpha-2B adrenoreceptor, Alpha-2B adrenoceptor

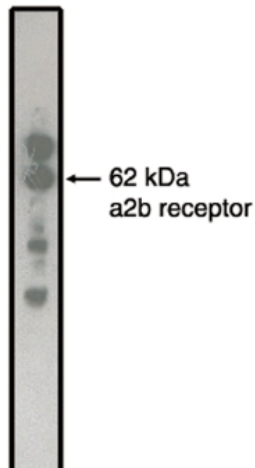
**Product images:**


Figure 1. Western blot analysis using ADRA2B antibody on MDCK cells transfected to produce alpha2B receptor protein.