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Goat Anti-ADRB3 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1034a

Specification

Goat Anti-ADRB3 Antibody - Product Information

Application	**WB, E**
Primary Accession	P13945
Other Accession	NP_000016, 155
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**43519**

Goat Anti-ADRB3 Antibody - Additional Information

Gene ID 155

Other Names
Beta-3 adrenergic receptor, Beta-3 adrenoreceptor, Beta-3 adrenoceptor, ADRB3, ADRB3R, B3AR

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-ADRB3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ADRB3 Antibody - Protein Information

Name ADRB3

Synonyms ADRB3R, B3AR

Function
Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase

through the action of G proteins. Beta- 3 is involved in the regulation of lipolysis and thermogenesis.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Expressed mainly in adipose tissues.

Goat Anti-ADRB3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-ADRB3 Antibody - Images

AF1034a (0.03 µg/ml) staining of Human Brain (Cerebral Cortex) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ADRB3 Antibody - Background

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.

Goat Anti-ADRB3 Antibody - References

The Effects of Uncoupling Protein 1 and beta3-Adrenergic Receptor Gene Polymorphisms on Weight Loss and Lipid Profiles in Obese Women. Kim JY, et al. Int J Vitam Nutr Res, 2010 Mar. PMID 20803423.
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its influence on cardiovascular function. Kim SM, et al. Kardiol Pol, 2010 Aug. PMID 20730725.
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The Trp64Arg polymorphism of the beta3-adrenergic receptor gene is associated with weight changes in obese Japanese men: a 4-year follow-up study. Yamakita M, et al. J Physiol Anthropol, 2010. PMID 20686326.
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