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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.
Distribution of the Trp64Arg polymorphism in the beta(3)-adrenergic receptor gene in athletes and

its influence on cardiovascular function. Kim SM, et al. Kardiol Pol, 2010 Aug. PMID 20730725.
Association between Genetic Polymorphisms of Adrenergic Receptor and Diurnal Intraocular Pressure in Japanese Normal-Tension Glaucoma. Gao Y, et al. Ophthalmology, 2010 Aug 10. PMID 20705341.
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.
Beta3-adrenergic receptor polymorphism is related to cardiometabolic risk factors in obese Brazilian subjects. Genelhu VA, et al. Genet Mol Res, 2010. PMID 20662153.