



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Goat anti ADRA2A

With HRP-conjugated Secondary Antibody

Catalog No.	Target Species	Accession Number
ER-14-0099	Human	NP_000672.2

Target Protein

- **Principal Names:** ADRA2A; adrenergic, alpha-2A-, receptor ; ADRA2; ADRA2R; ADRAR; ALPHA2AAR; ZNF32 ; OTTHUMP00000058849; alpha-2A-adrenergic receptor; alpha-2AAR subtype C10
- **Official Symbol:** ADRA2A
- **Accession Number(s):** NP_000672.2

Immunogen

- Peptide with sequence **C-TERRP NGLGPERS**, from the internal region of the protein sequence according to NP_000672.2.

Purification + Storage

- Purified from goat serum by ammonium sulfate precipitation followed by antigen affinity chromatography using the immunizing peptide.
- Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
- Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

- **Peptide ELISA:** antibody detection limit dilution 1:32000.
- **Western Blot:** Preliminary experiments gave a band at approx 37kDa and a minor band at approx 23kDa in Human Brain lysates after 1µg/ml antibody staining.
- **Immunofluorescence:** This product has been successfully used in Immunofluorescence on Mouse primary DRG cultured neurons: Tan et al, J Biol Chem. 2009 Mar 6;284(10):6270-81 (PMID: 19126537).

Reference

- Tan M. et al.: p38 MAPK and beta-arrestin 2 mediate functional interactions between endogenous micro-opioid and alpha2A-adrenergic receptors in neurons. J Biol Chem. 2009 Mar 6;284(10):6270-81. Epub 2009 Jan 6. PMID: 19126537

Species Reactivity

- **Tested:** Mouse
- **Expected from sequence similarity:** Human, Mouse, Rat, Dog

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended work dilution or concentration
Immunoassay (ELISA, Western blotting)	•			1:5,000-1:10,000

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