



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07079 - Goat Anti-Adenosine A2a Receptor Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ADORA2A, adenosine A2a receptor, HGNC:263, ADORA2, RDC8, hA2aR, adenosine A2 receptor, adenosine receptor subtype A2a

**Official Symbol:** ADORA2A

**Accession Number(s):** NP\_000666.2

**Human GeneID(s):** [135](#)

### Immunogen

Peptide with sequence HELKGVCPPEPGLDD, from the C Terminus of the protein sequence according to NP\_000666.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate 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 1:8000.

**Western blot:** This antibody has been successfully used in Western blot on Macaque: van der Putten C et al. (2009) PMID: 19494284. This antibody has been successfully used in Western blot on Mouse: He X et al. (2013) PMID: 23712033, and Zhao L et al. (2015) PMID: 26171727.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Macaque

**Expected from sequence similarity:** Human

### Specific References

**This antibody has been successfully used in WB on Mouse:**

Zhao L, Liu YW, Yang T, Gan L, Yang N, Dai SS, He F.

The mutual regulation between miR-214 and A2AR signaling plays an important role in inflammatory response.

Cell Signal. 2015 Oct;27(10):2026-34.

PMID: 26171727

**This antibody has been successfully used in the WB on Mouse:**

He X, Hu JL, Li J, Zhao L, Zhang Y, Zeng YJ, Dai SS, He FT.

A feedback loop in PPARγ-adenosine A2A receptor signaling inhibits inflammation and attenuates lung damages in a mouse model of LPS-induced acute lung injury.

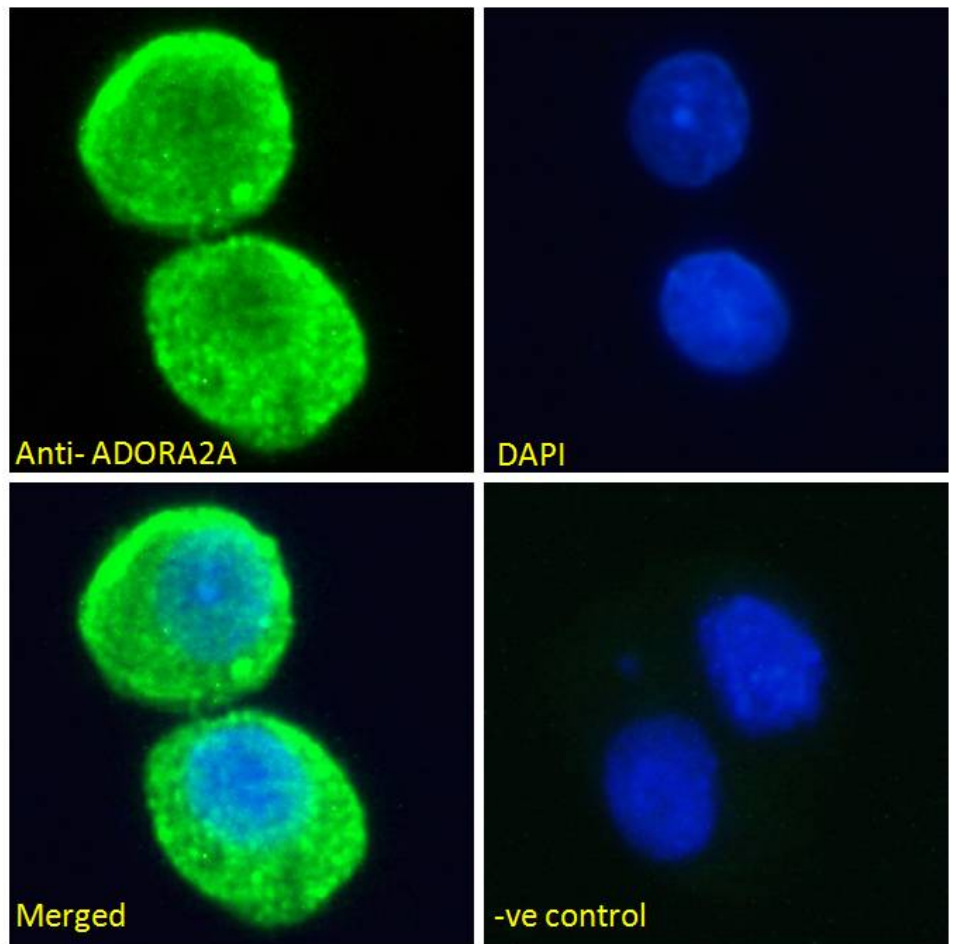
Cell Signal. 2013 Sep;25(9):1913-23.

PMID: 23712033

**This antibody has been successfully used in WB on Macaque:**

van der Putten C, Zuiderwijk-Sick EA, van Straalen L, de Geus ED, Boven LA, Kondova I,

IJzerman AP, Bajramovic JJ.  
Differential expression of adenosine A3 receptors controls adenosine A2A  
receptor-mediated inhibition of TLR responses in microglia.  
J Immunol. 2009 Jun 15;182(12):7603-12.  
PMID: 19494284



EB07079 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).