EB08054 - Goat Anti-Adenosine A1 receptor Antibody

Size: 100µg specific antibody in 200µl

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Target Protein

Principal Names: ADORA1, adenosine A1 receptor, RDC7
Official Symbol: ADORA1
Accession Number(s): NP_000665.1; NP_001041695.1
Human GeneID(s): 134
Non-Human GeneID(s): 11539 (mouse), 29290 (rat)
Important Comments: Both reported isoforms represent identical protein (NP_000665.1; NP_001041695.1)

Immunogen

Peptide with sequence NDHFRCQPAPPIDED, from the C Terminus of the protein sequence according to NP_000665.1; NP_001041695.1.

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 1:64000.
Western blot: Preliminary experiments gave bands at approx 30kDa and 20kDa in Human Brain (Cerebellum) lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 36.5kDa according to NP_000665.1 and NP_001041695.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:
Expected from sequence similarity: Human, Dog, Cow