Leader in Biomolecular Solutions for Life Science

ADORA1 Rabbit mAb

Catalog No.: A5219 Recombinant 2 Publications



Basic Information

Observed MW 37kDa

Calculated MW 37kDa

Category Primary antibody

Applications WB,IHC-P,ELISA

Cross-Reactivity Human, Mouse, Rat

CloneNo number ARC1987

Background

The protein encoded by this gene is an adenosine receptor that belongs to the G-protein coupled receptor 1 family. There are 3 types of adenosine receptors, each with a specific pattern of ligand binding and tissue distribution, and together they regulate a diverse set of physiologic functions. The type A1 receptors inhibit adenylyl cyclase, and play a role in the fertilization process. Animal studies also suggest a role for A1 receptors in kidney function and ethanol intoxication. Transcript variants with alternative splicing in the 5' UTR have been found for this gene.

Recommended Dilutions

WB	1:1000 - 1:6000
IHC-P	1:100 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID 134

Swiss Prot P30542

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms RDC7; ADORA1

Contact

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Product Information

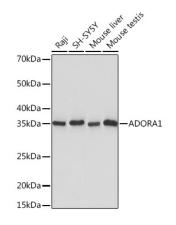
Source Rabbit

Isotype lgG

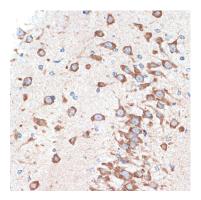
Purification Affinity purification

Storage

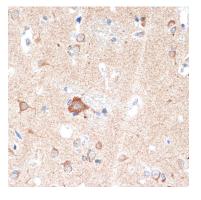
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



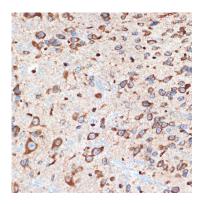
Western blot analysis of various lysates using ADORA1 Rabbit mAb (A5219) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunohistochemistry analysis of paraffinembedded Rat brain using ADORA1 Rabbit mAb (A5219) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human brain using ADORA1 Rabbit mAb (A5219) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse spinal cord using ADORA1 Rabbit mAb (A5219) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.