

Rabbit ADORA1 / Adenosine A1 Receptor Polyclonal Antibody | anti-ADORA1 antibody

Rabbit Polyclonal to Human ADORA1 / Adenosine A1 Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51472	Rabbit	Human, Rat Predicted Reactivity: Monkey, Guinea pig, Horse, Pig	Immunohistochemistry

PRODUCT SYNONYMS

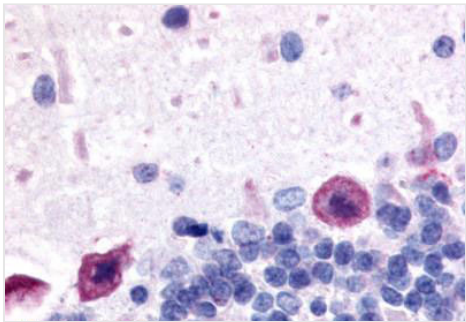
ADORA1 / Adenosine A1 Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human ADORA1 / Adenosine A1 Receptor; Anti-ADORA1 / Adenosine A1 Receptor Antibody (C-Terminus) IHC-plus; A1 adenosine receptor; A1ar; Adenosine A1 receptor; Adenosine receptor A1; ADO-A1 receptor; RDC7; Human ADORA1; Adenosine A1 Receptor; anti-ADORA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat Predicted Reactivity: Monkey, Guinea pig, Horse, Pig
Clonality	Polyclonal
Specificity	Human Adenosine A1 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	326
Applicable Applications for anti-ADORA1 antibody	IHC (Immunohistochemistry)
Target	ADORA1/Adenosine A1 Receptor
Immunogen Description	Synthetic 20 amino acid peptide from C-terminus of human Adenosine A1 Receptor. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey (100%); Orangutan, Marmoset, Elephant, Horse (95%); Rat, Pig, Guinea pig (90%).
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Immunogen Type	Synthetic peptide
Immunogen	ADORA1 / Adenosine A1 Receptor antibody was raised against synthetic 20 amino acid peptide from C-terminus of human Adenosine A1 Receptor. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey (100%); Orangutan, Marmoset, Elephant, Horse (95%); Rat, Pig, Guinea pig (90%); Bovine, Hamster, Panda (85%); Mouse, Dog (80%).
Antigen Modification	C-Terminus
Preparation and Storage	aliquot and store uniluted at -20°C or below. Can be stored undiluted at -70°C.Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-Adenosine A1 Receptor antibody IHC of rat brain, Purkinje neurons.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ADORA1 antibody	The A1 Adenosine Receptor is involved in smooth muscle contraction, control of heart rate, sedation, and lipolysis.
Product Categories/Family for anti-ADORA1 antibody	Family: GPCR; Subfamily: Adenosine

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501947
NCBI GeneID	134
NCBI Accession #	NP_000665.1
NCBI GenBank Nucleotide #	NM_000674.2
UniProt Accession #	P30542; Q6FHK3; Q8TAM8; A6NFY5; A6NGP4; A8K1L3; B3KXQ4; D2CGD0
NCBI Official Full Name	adenosine receptor A1
NCBI Official Synonym Full Names	adenosine A1 receptor
NCBI Official Symbol	ADORA1
NCBI Official Synonym Symbols	RDC7
NCBI Protein Information	adenosine receptor A1; adenosine A1 receptor variant 1
UniProt Protein Name	Adenosine receptor A1
UniProt Gene Name	ADORA1
UniProt Entry Name	AA1R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.