

Rabbit ADORA3 / Adenosine A3 Receptor Polyclonal Antibody | anti-ADORA3 antibody

Rabbit Polyclonal to Human ADORA3 / Adenosine A3 Receptor

CATALOG # AAA52213	HOST Rabbit	REACTIVITY Dog, Horse, Human, Monkey, Pig	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

ADORA3 / Adenosine A3 Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human ADORA3 / Adenosine A3 Receptor; Anti-ADORA3 / Adenosine A3 Receptor Antibody (Cytoplasmic Domain) IHC-plus; A3AR; AD026; Adenosine A3 receptor; BA552M11.5; A3 adenosine receptor; Adenosine receptor A3; RP11-552M11.7; Human ADORA3; Adenosine A3 Receptor; anti-ADORA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Horse, Human, Monkey, Pig
Clonality	Polyclonal
Specificity	Human ADORA3. 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	0.6 mg/ml (varies by lot)
Sequence Length	318
Applicable Applications for anti-ADORA3 antibody	IHC (Immunohistochemistry)
Target	ADORA3/Adenosine A3 Receptor
Immunogen Description	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human ADORA3. Percent identity with other species by BLAST analysis: Human, Monkey, Marmoset, Dolphin, Elephant, Dog, Horse, Pig, Opossum (100%).
Antigen Type	Synthetic peptide
Immunogen	ADORA3 / Adenosine A3 Receptor antibody was raised against synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human ADORA3. Percent identity with other species by BLAST analysis: Human, Monkey, Marmoset, Dolphin, Elephant, Dog, Horse, Pig, Opossum (100%).
Antigen Modification	Cytoplasmic Domain
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-drying oven 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

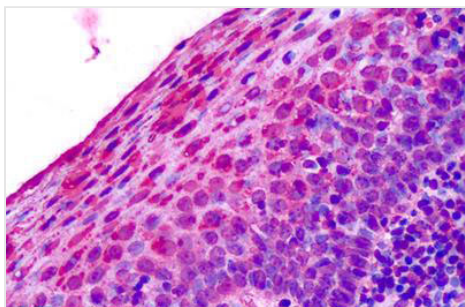
Wash slides in 3 changes of xylene - 1 minute each @ RT

Apply coverslip

Preparation and Storage

Aliquot and store undiluted at -20°C or below. Can be stored undiluted at 4°C. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Anti-Adenosine A3 Receptor / ADORA3 antibody IHC of human tonsil, squamous epithelium.

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 20-30 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ADORA3 antibody	A3 Adenosine Receptor is a widely expressed receptor that mediates the multiple functions of adenosine. For example, this receptor is believed to mediate the protective effect of adenosine released during cardiac ischemia. In lungs, the receptor mediates inhibition of eosinophil chemotaxis and may be useful in the treatment of eosinophil-dependent diseases such as asthma and rhinitis.
Product Categories/Family for anti-ADORA3 antibody	Family: GPCR; Subfamily: Adenosine

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501953
NCBI GeneID	140
NCBI Accession #	NP_000668.1
NCBI GenBank Nucleotide #	NM_000677.3
UniProt Accession #	P33765; Q6UWU0; Q9BYZ1; A2A3P4
NCBI Official Full Name	adenosine receptor A3 isoform A
NCBI Official Synonym Full Names	adenosine A3 receptor
NCBI Official Symbol	ADORA3
NCBI Official Synonym Symbols	A3AR
NCBI Protein Information	adenosine receptor A3
UniProt Protein Name	Adenosine receptor A3
UniProt Gene Name	ADORA3
UniProt Entry Name	AA3R_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adora3-adenosine-a3-receptor-antibody-immunohistochemistry-elisa/52213>