

Rabbit anti-Human ADORA2A Polyclonal Antibody | anti-ADORA2A antibody

ADORA2A Antibody (C-term)

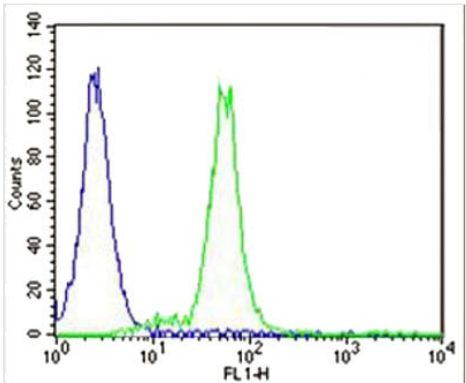
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289458	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

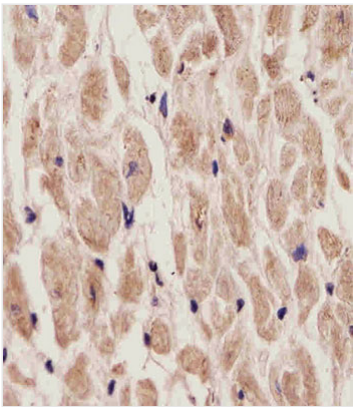
ADORA2A; Polyclonal Antibody; ADORA2A Antibody (C-term); Adenosine receptor A2a; ADORA2; anti-ADORA2A antibody

PRODUCT SPECIFICATIONS

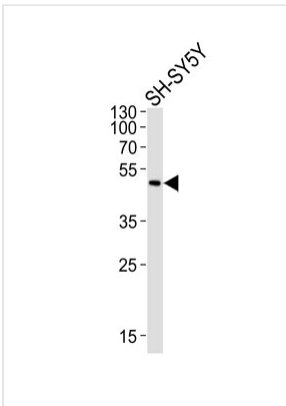
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADORA2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 347-381 amino acids from the C-terminal region of human ADORA2A.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-ADORA2A antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Function	Receptor for adenosine (By similarity). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P30543}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P30543} Note=Colocalizes with GAS2L2 at neuronal processes {ECO:0000250 UniProtKB:P30543}
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing SH-SY5Y cells stained with AAA289458 (green line). The cells were fixed with 4% paraformaldehyde (10min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA289458, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1?g/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



IHC (Immunohistochemistry)
AAA289458 staining ADORA2A in Human heart tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of lysate from SH-SY5Y cell line, using ADORA2A Antibody (C-term). AAA289458 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-ADORA2A antibody	Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.
Product Categories/Family for anti-ADORA2A antibody	Crown Antibodies; Cardiovascular; Developmental Biology; Signal Transduction; Stem Cells
References	Tiffany H.L.,et al.Submitted (JUL-1992) to the EMBL/GenBank/DDBJ databases. Salvatore C.A.,et al.Submitted (SEP-1992) to the EMBL/GenBank/DDBJ databases. Furlong T.J.,et al.Brain Res. Mol. Brain Res. 15:62-66(1992). Le F.,et al.Biochem. Biophys. Res. Commun. 223:461-467(1996). Puhl H.L. III,et al.Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5921992
NCBI GeneID	135
NCBI Accession #	NP_000666.2

NCBI GenBank Nucleotide #	NM_000675.5
UniProt Accession #	P29274; B2R7E0
Molecular Weight	44707
NCBI Official Full Name	adenosine receptor A2a
NCBI Official Synonym Full Names	adenosine A2a receptor
NCBI Official Symbol	ADORA2A
NCBI Official Synonym Symbols	A2aR; RDC8; ADORA2
NCBI Protein Information	adenosine receptor A2a
UniProt Protein Name	Adenosine receptor A2a
UniProt Gene Name	ADORA2A
UniProt Synonym Gene Names	ADORA2
UniProt Entry Name	AA2AR_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/adora2a-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289458>