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Anti-Adenosine A2a Receptor Antibody

Catalog # AP51941

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P29274
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44707

Additional Information

Gene ID	135
Other Names	ADORA2; Adenosine receptor A2a
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Adenosine A2a Receptor. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

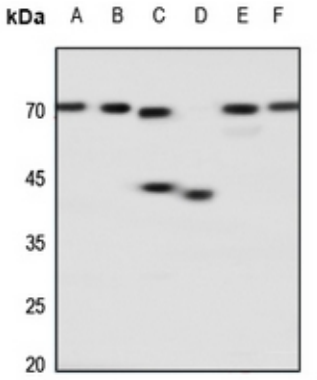
Name	ADORA2A
Synonyms	ADORA2
Function	Receptor for adenosine (By similarity). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P30543}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P30543} Note=Colocalizes with GAS2L2 at neuronal processes {ECO:0000250|UniProtKB:P30543}

References

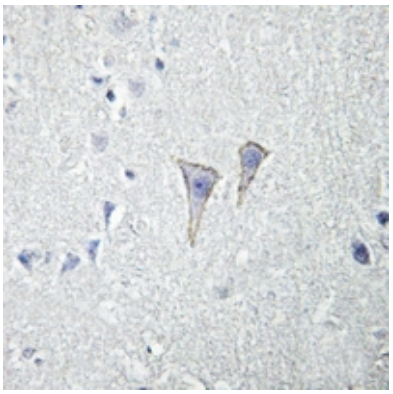
Tiffany H.L.,et al.Submitted (JUL-1992) to the EMBL/GenBank/DDBJ databases.
Salvatore C.A.,et al.Submitted (SEP-1992) to the EMBL/GenBank/DDBJ databases.
Furlong T.J.,et al.Brain Res. Mol. Brain Res. 15:62-66(1992).

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.

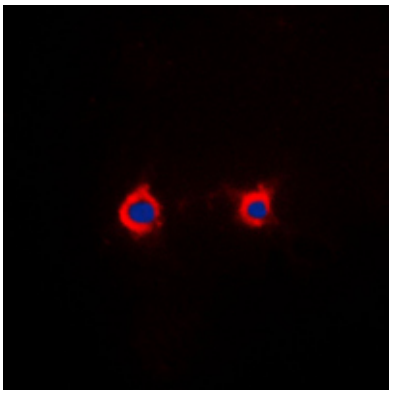
Images



Western blot analysis of Adenosine A2a Receptor expression in HEK293T (A), Hela (B), HepG2 (C), mouse brain (D), rat liver (E), mouse kidney (F) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 70; 45 kD)



Immunohistochemical analysis of Adenosine A2a Receptor staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Adenosine A2a Receptor staining in Raw264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.