



Rabbit Anti-Adenosine A3 Receptor antibody

SL1225R

Product Name:	Adenosine A3 Receptor
Chinese Name:	腺苷受体A3抗体
Alias:	adenosine A3 receptor; A3AR; AD 026; AD026; ADORA 3; ADORA3; bA552M11.5; RP11 552M11.7; TGPCR1; adenosine receptor A3 isoform 1; adenosine receptor A3 isoform 2; AA3R_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ADORA3:85-180/347
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been

implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].

Function:

Receptor for adenosine. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase. Possible role in reproduction.

Subcellular Location:

Cell membrane.

Post-translational modifications:

Phosphorylation on Ser-317 may be crucial for rapid desensitization.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P33765

Gene ID:

140

Database links:

[Entrez Gene: 403805](#) Dog

[Entrez Gene: 140](#) Human

[Entrez Gene: 606753](#) Pig

[Omim: 600445](#) Human

[SwissProt: Q28309](#) Dog

[SwissProt: P33765](#) Human

[SwissProt: Q6P2N6](#) Human

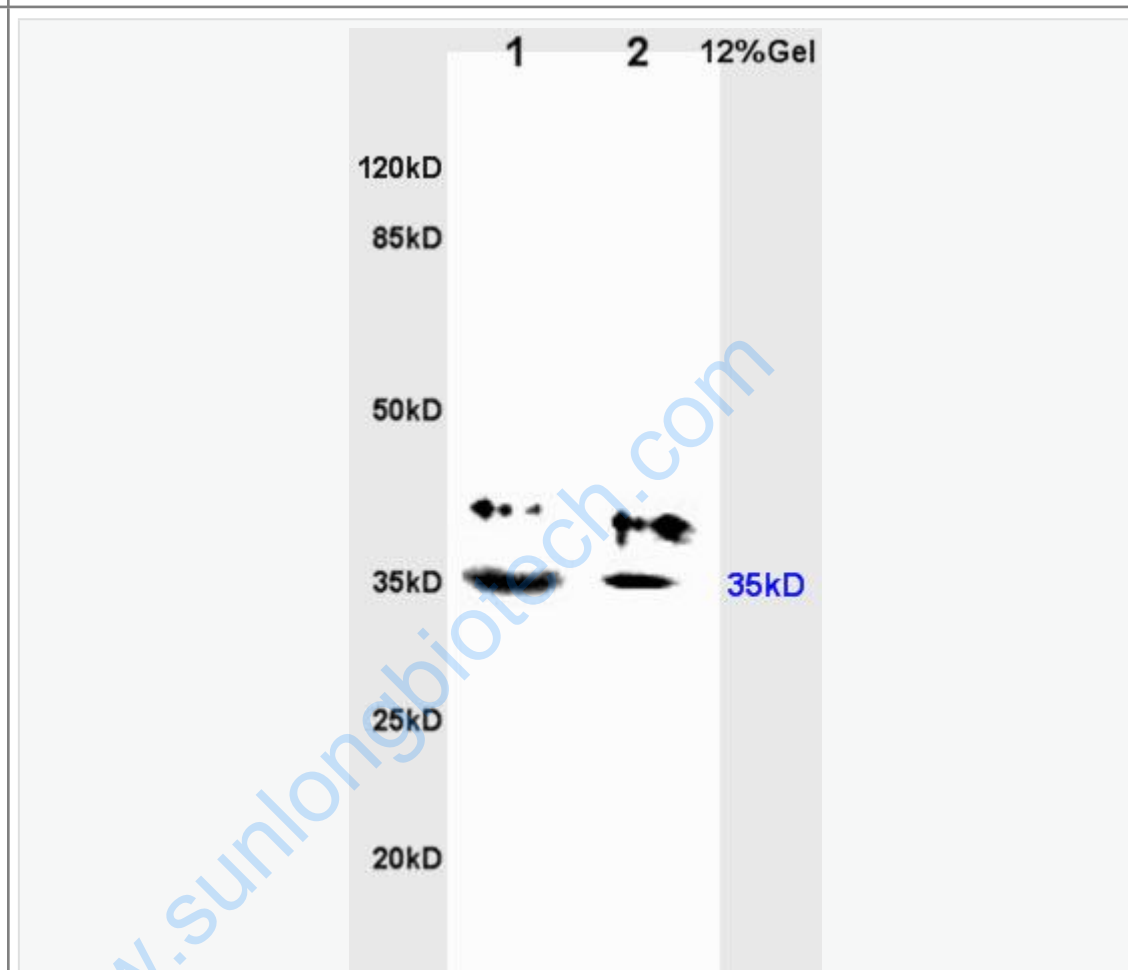
[Unigene: 281342](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ADORA-3(腺苷受体A3)属于G protein-coupled receptor家族, 在腺苷调节细胞活力和生长中起关键作用, 并且在很多Tumour中表达增高, A3AR可能成为Tumour诊断Marker和治疗靶点。

Picture:



Sample:

Colon carcinoma lysates (Human) Lysate at 40 ug

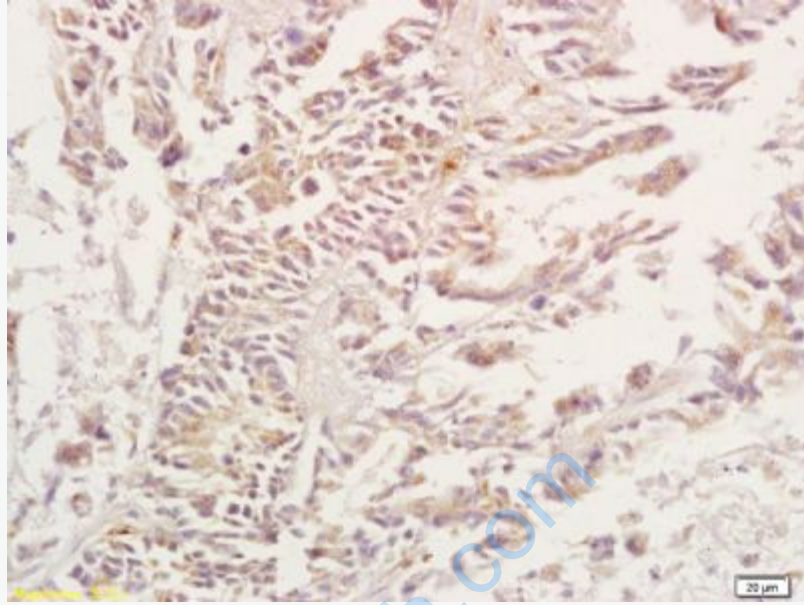
Gastric carcinoma lysates (Human) Lysate at 40 ug

Primary: Anti- ADORA3 (SL1225R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL1225R) at 1/5000 dilution

Predicted band size: 35 kD

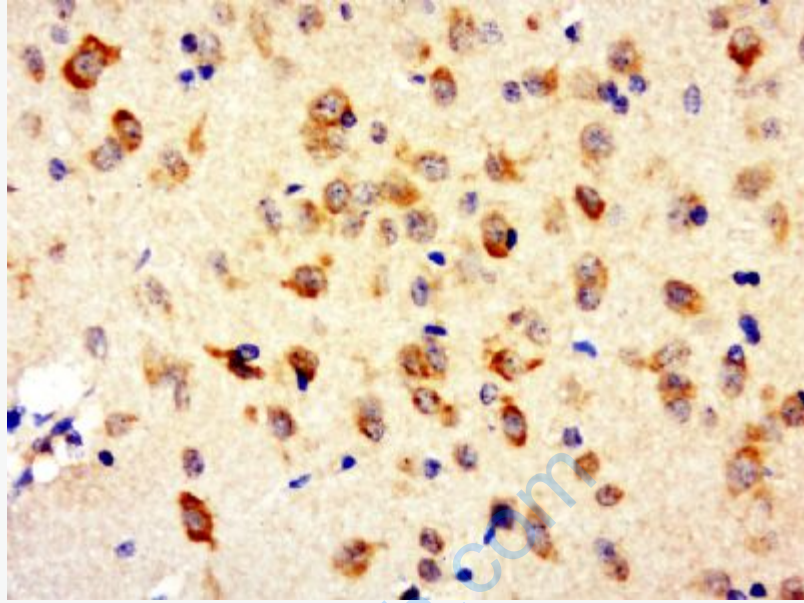
Observed band size: 35 kD



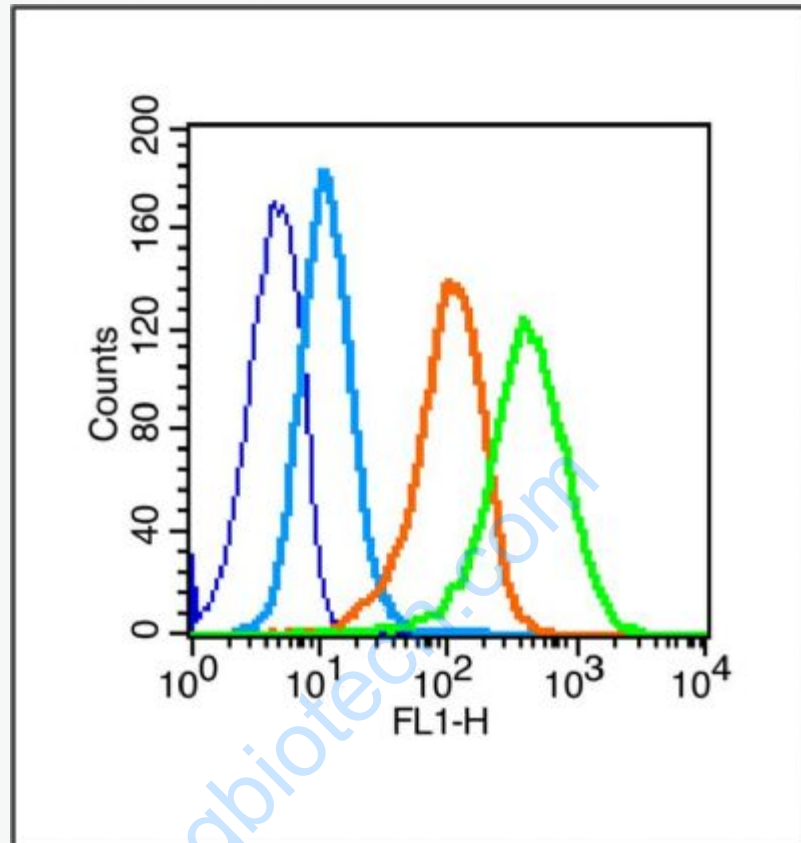
Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-ADORA3 Polyclonal Antibody, Unconjugated(SL1225R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Adenosine A3 Receptor) Polyclonal Antibody, Unconjugated (SL1225R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control (blue line): Raji (blue)(The cells were fixed with 70% ethanol overnight at -20°C).

Primary Antibody (green line): Rabbit Anti-Adenosine A3 Receptor antibody(SL1225R); Dilution: 1µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE;Dilution: 1µg /test.