



Rabbit Anti-P2X2 antibody

SL4065R

Product Name:	P2X2
Chinese Name:	三磷酸腺苷受体受体P2X2抗体
Alias:	ATP receptor; P2RX 2; P2RX2; P2RX2_HUMAN; P2X purinoceptor 2; P2X Receptor subunit 2; P2X2; P2X2a; Purinergic receptor; Purinergic receptor P2X ligand gated ion channel 2; Purinergic receptor P2X2 isoform A; Purinergic receptor P2X2 isoform B; Purinergic receptor P2X2 isoform C; Purinergic receptor P2X2 isoform D; Purinergic receptor P2X2 isoform H; Purinergic receptor P2X2 isoform I; MGC129601.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=2ug/test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ATP receptor:251-350/471<Extracellular>
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:	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Multiple transcript variants

encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Aug 2013]

Function:

Binding of this ligand-gated ion channel to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle.

Subunit:

Functional P2XRs are organized as homomeric and heteromeric trimers.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the P2X receptor family.

SWISS:

Q9UBL9

Gene ID:

22953

Database links:

[Entrez Gene: 22953](#) Human

[Entrez Gene: 231602](#) Mouse

[Omir: 600844](#) Human

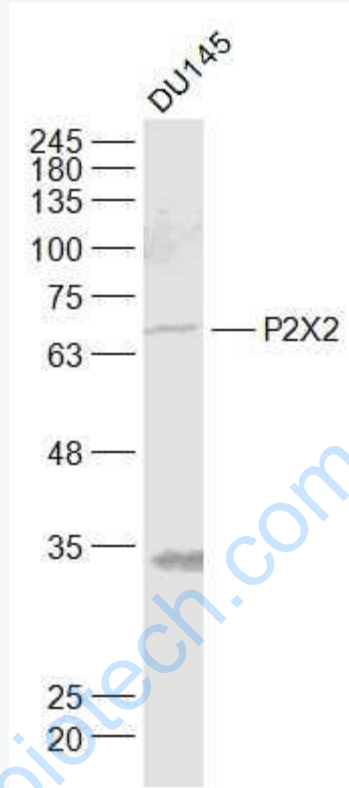
[SwissProt: Q9UBL9](#) Human

[Unigene: 258580](#) Human

Important Note:

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

Picture:



Sample:

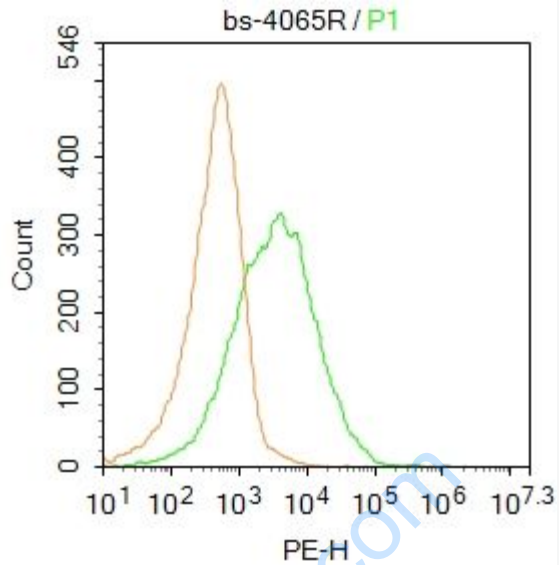
DU145(Human) Cell Lysate at 30 ug

Primary: Anti-P2X2 (SL4065R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 67 kD



Blank control:MCF7.

Primary Antibody (green line): Rabbit Anti-P2X2 antibody (SL4065R)

Dilution: $1\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: $2\mu\text{g} / \text{test}$.

Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein

interactions for 30 min at room temperature .Cells stained with Primary Antibody

for 30 min at room temperature. The secondary antibody used for 40 min at room

temperature. Acquisition of 20,000 events was performed.