

Product Name: P2RX7 Mouse Monoclonal Antibody**Catalog #: AMM81785**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse,Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	68.6kDa

Antigen Information

Gene Name	P2RX7
Alternative Names	P2X7
Gene ID	5027.0
SwissProt ID	Q99572
Immunogen	Purified recombinant fragment of human P2RX7 (AA: 226-452) expressed in E. Coli.

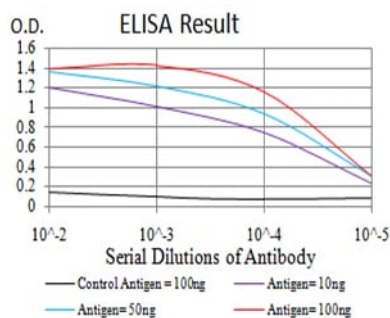
Background

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be

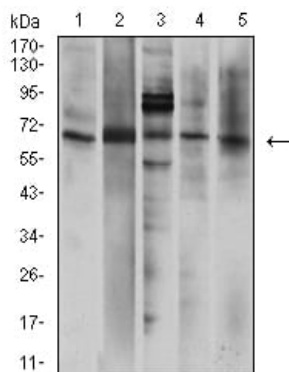
coupled to changes in gene expression. Multiple alternatively spliced variants have been identified, most of which fit nonsense-mediated decay (NMD) criteria.

Research Area

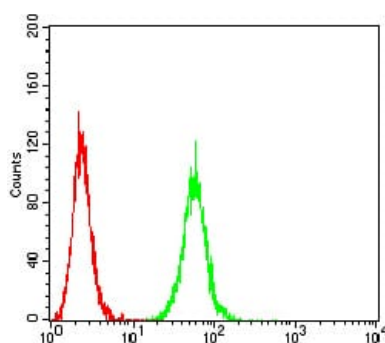
Image Data



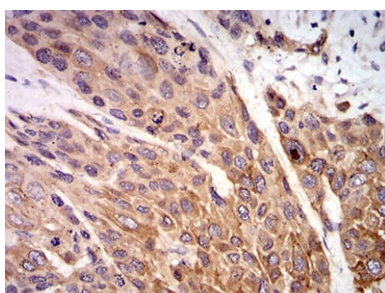
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



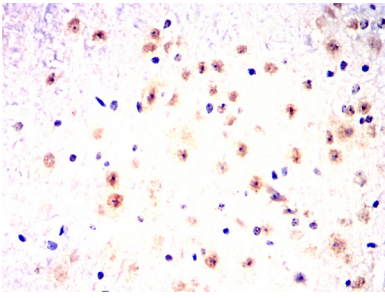
Western blot analysis using P2RX7 mouse mAb against A431 (1), U251 (2), HeLa (3), U937 (4), and HepG2 (5) cell lysate.



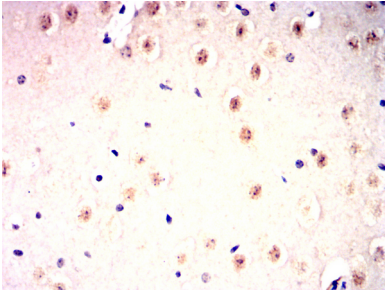
Flow cytometric analysis of HeLa cells using P2RX7 mouse mAb (green) and negative control (red).



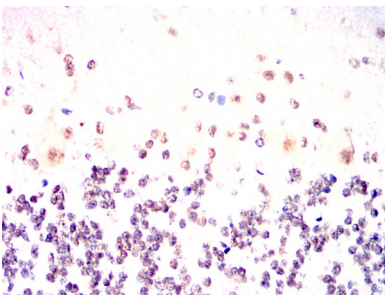
Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using P2RX7 mouse mAb with DAB staining.



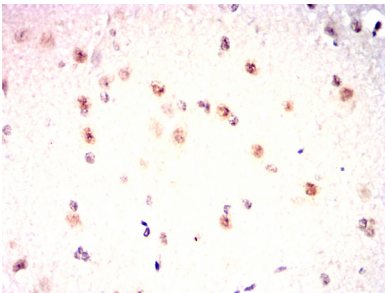
Immunohistochemical analysis of paraffin-embedded Mouse cerebellum using P2RX7 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse brain using P2RX7 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit cerebellum using P2RX7 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit brain using P2RX7 mouse mAb with DAB staining.