

P2X7 Rabbit mAb

Catalog No.: A29180 **Recombinant**

Basic Information

Observed MW

69 kDa(non-glycosylated)/75 kDa(glycosylated)

Calculated MW

15 kDa/29 kDa/31 kDa/36 kDa/42 kDa/58 kDa/69 kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC83664

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.

Recommended Dilutions

WB 1:2000 - 1:50000

IHC-P 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

5027

Swiss Prot

Q99572

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

P2X7

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

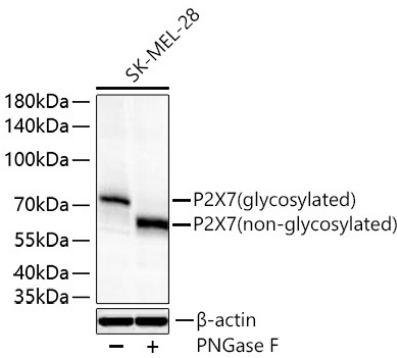
Contact

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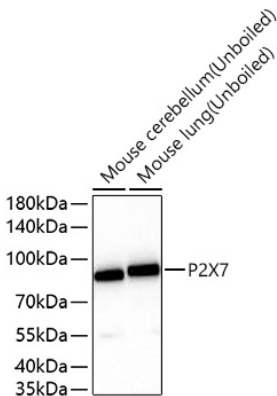
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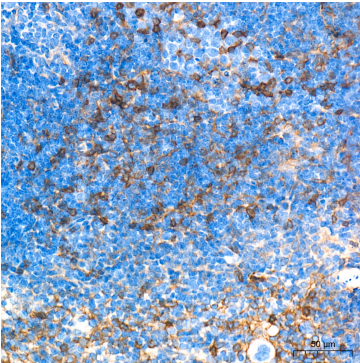
Validation Data



Western blot analysis of various lysates using P2X7 Rabbit mAb (A29180) at 1:5000 dilution incubated overnight at 4°C. SK-MEL-28 cells were treated with PNGase F (2 U/μL) at 37°C for 2 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Western blot analysis of various lysates using P2X7 Rabbit mAb (A29180) at 1:50000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded mouse spleen tissue using P2X7 Rabbit mAb (A29180) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.