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Datasheet for ABIN1386314
anti-P2RX7 antibody (AA 115-160)

2 Publications

Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | P2RX7 |
| Binding Specificity: | AA 115-160 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This P2RX7 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human P2RX7 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Predicted Reactivity: | Rat,Dog,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | P2RX7 |
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Target Details

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| Alternative Name: | P2RX7 (P2RX7 Products) |
| Background: | Synonyms: P2X7, P2X purinoceptor 7, ATP receptor, P2Z receptor, Purinergic receptor, P2RX7 Background: Receptor for ATP that acts as a ligand-gated ion channel. Responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Could function in both fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells. |
| Gene ID: | 5027 |
| UniProt: | Q99572 |
| Pathways: | Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Synaptic Vesicle Exocytosis |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |

Handling

Expiry Date: 12 months

Publications

Product cited in: Zhou, Tan, Mo, Gao, He, Li, Huang, Li, Guo, Guo, Wang, Yang, Zhang: "P2X7 receptor in spinal tuberculosis: Gene polymorphisms and protein levels in Chinese Han population." in: **Infection, genetics and evolution : journal of molecular epidemiology and evolutionary genetics in infectious diseases**, Vol. 57, pp. 138-144, (2017) ([PubMed](#)).

Peng, Liu, Wei, Lv, Wang, Xiong, Wang, Altaf, Wang, He, Wang, Qu: "P2X7R is involved in the progression of atherosclerosis by promoting NLRP3 inflammasome activation." in: **International journal of molecular medicine**, Vol. 35, Issue 5, pp. 1179-88, (2015) ([PubMed](#)).