

bs-12106R**[Primary Antibody]****P2RX7 Rabbit pAb****BioSS**
ANTIBODIES

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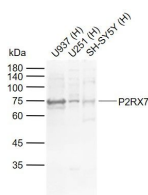
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat)
GeneID: 5027	SWISS: Q99572	
Target: P2RX7		Predicted MW.: 69 kDa
Immunogen: KLH conjugated synthetic peptide derived from human P2RX7: 115-160/595. < Extracellular >		Subcellular Location: Cell membrane
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The P2X receptor family is comprised of ligand-gated ion channels that allow for the increased permeability of calcium into the cell in response to extracellular ATP. The seven P2X receptors, P2X1-P2X7, form either homomeric or heteromeric channels or both. They are characterized by intracellular amino- and carboxy-termini. P2X receptors are expressed in a wide variety of tissues, including neurons, prostate, bladder, pancreas, colon, testis and ovary. The major function of the P2X receptors is to mediate synaptic transmissions between neurons and to other tissues via the binding of extracellular ATP, which acts as a neurotransmitter. The P2X receptors may be involved in the onset of necrosis or apoptosis after prolonged exposure to high concentrations of extracellular ATP.		

VALIDATION IMAGES

Sample: Lane 1: Human U937 cell lysates Lane 2: Human U251 cell lysates Lane 3: Human SH-SY5Y cell lysates
Primary: Anti-P2RX7 (bs-12106R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 69 kDa
Observed band size: 74 kDa

SELECTED CITATIONS

- **[IF=6.1]** Yuejia Lan. et al. Jatrorrrhizine alleviates cytokine storm secondary lung injury via regulating CD39-dominant purinergic braking and downstream NLRP3 inflammasome. PHYTOTHER RES. 2025 Apr;; WB ;Mouse. 40192171
- **[IF=6.2]** Jiajia Mu. et al. β -Hydroxybutyric Acid-Induced Bovine Endometrial Epithelial Cell Pyroptosis via Activating P2X7R. J AGR FOOD CHEM. 2025;XXXX(XXX):XXX-XXX IHC,WB ;Mouse,Bovine. 40742321
- **[IF=6.1]** Xue-qi Liu. et al. Blocking ATP-P1Rs axis attenuate alcohol-related liver fibrosis. LIFE SCI. 2023 Jun;;121896 IHC ;Mouse. 37385371
- **[IF=5.4]** Huan Wang. et al. The Scutellaria-Coptis herb couple and its active small-molecule ingredient wogonoside

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

alleviate cytokine storm by regulating the CD39/NLRP3/GSDMD signaling pathway. J ETHNOPHARMACOL. 2024 Apr;;118155 WB ;Mouse. 38593962

- **[IF=4.932]** Zhi Lu. et al. Dioscin ameliorates diabetes cognitive dysfunction via adjusting P2X7R/NLRP3 signal. Int Immunopharmacol. 2021 Nov;;108314 WB,IF ;Rat. 34785142