bs-12106R

[Primary Antibody]

P2RX7 Rabbit pAb



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- DATASHEE	т		400-901-9800	
Host:	Rabbit	Isotype: IgG	Applications: WB (1:500-2000)	
Clonality: Polyclonal			Reactivity: Human (predicted: Mouse,	
GenelD:	5027	SWISS: Q99572	Rat)	
Target:	P2RX7			
Immunogen:	Immunogen: KLH conjugated synthetic peptide derived from human P2RX7: 115-160/595. < Extracellular >		Predicted MW.:	
Purification:	n: affinity purified by Protein A		Subcellular	
Concentration:	1mg/ml		Location: Cell membrane	
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:	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. Jatrorrhizine alleviates cytokine storm secondary lung injury via regulating CD39-dominant purinergic braking and downstream NLRP3 inflammasome. PHYTOTHER RES. 2025 Apr;: WB ;Mouse. 40192171
- [IF=6.1] 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 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
- [IF=3.5] Wan Mi-Mi. et al. Electroacupuncture regulates the P2X7R-NLRP3 inflammatory cascade to relieve decreased sensation on ocular surface of type 2 diabetic rats with dry eye. PURINERG SIGNAL. 2024 Mar;:1-16 IF ;Rat. 38467962