bs-22876R **[Primary Antibody]**

P2RX7 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 29665 **SWISS:** Q64663

Target: P2RX7

Immunogen: KLH conjugated synthetic peptide derived from rat P2RX7: 501-595/595. < Cytoplasmic >

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.

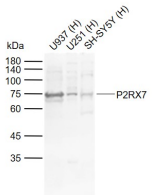
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat)

Predicted MW.: 69 kDa

Subcellular Location: Cell membrane

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-22876R) 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=8.9]** Shuting Pan. et al. Regulating Biomolecular Surface Interactions Using Tunable Acoustic Streaming. ACS SENSORS. 2023;XXXX(XXX):XXX-XXX Other ;. 10.1021/acssensors.3c00982