

# Product Datasheet

## **P2X7/P2RX7 Antibody (Hano43) [Biotin] NBP1-40894B**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-40894B**

P2X7/P2RX7 Antibody (Hano43) [Biotin]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	Hano43
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Conjugate	Biotin
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Rat
Gene ID	5027
Gene Symbol	P2RX7
Species	Mouse
Reactivity Notes	Reacts with Mouse.
Specificity/Sensitivity	This antibody recognises the P2X purinoceptor 7, also known as P2X7. The P2X7 ATP receptor has a distinctive long C-terminal tail with multiple potential protein and lipid interaction motifs and is highly polymorphic. It is a cation selective ion channel that opens up on binding of extracellular ATP. Sustained activation by extracellular ATP results in the formation of a reversible pore in the plasma membrane that is permeable to hydrophilic solutes of up to 900 Da. Once a pore is opened massive upset of cytoplasmic ion homeostasis occurs and the pore stays open as long as it is bound by ATP. Should ATP stimulation continue the cell will become irreversibly damaged and die. P2X7 plays a key role in the maturation and release of IL-1 and other IL-1 family members during inflammation. As such, P2X7 blockers might be useful as anti-inflammatory agents.
Immunogen	A P2X7-expression construct and a final boost with P2X7-transfected HEK cells.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP1-40894B**

IC013B	Rat IgG2b Isotype Control (141945) [Biotin]
H00005027-P01-2ug	Recombinant Human P2X7/P2RX7 GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBL1-14033	P2X7/P2RX7 Overexpression Lysate

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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