

# Product Datasheet

## P2X7/P2RX7 Antibody NBP1-37775

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 4

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**NBP1-37775**

P2X7/P2RX7 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

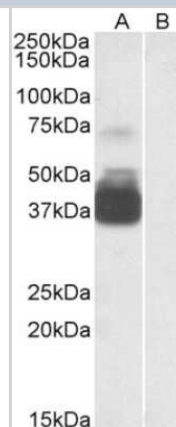
Product Description	
Host	Goat
Gene ID	5027
Gene Symbol	P2RX7
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:34391810).
Immunogen	Peptide with sequence YETNKVTRIQSMNY-C corresponding to N-Terminus according to NP_002553.2.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 3.75 ug/mL, Peptide ELISA detection limit 1:16000
Application Notes	Use in ICC/IF reported in scientific literature (PMID:34391810)

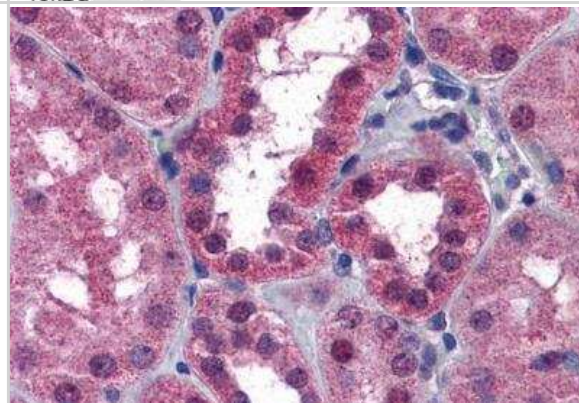


## Images

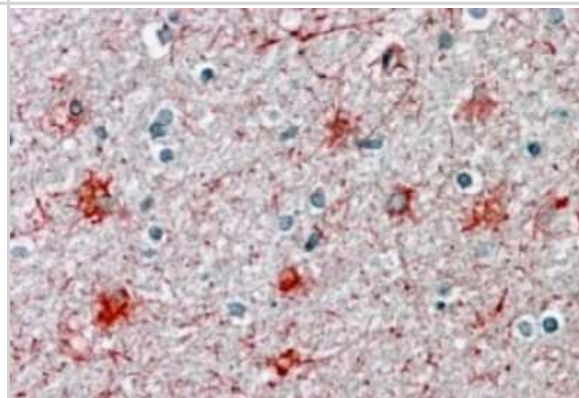
Western Blot: P2X7/P2RX7 Antibody [NBP1-37775] - Staining of Human Brain (Frontal Cortex) lysate (35 ug protein in RIPA buffer) with (B) and without (A) blocking with the immunizing peptide. Antibody at 0.3 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: P2X7/P2RX7 Antibody [NBP1-37775] - Staining of paraffin embedded Human Kidney. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: P2X7/P2RX7 Antibody [NBP1-37775] - Staining of paraffin embedded Human Brain Cortex. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Alnafisah R, Lundh A, Asah SM et al. Altered purinergic receptor expression in the frontal cortex in schizophrenia Schizophrenia (Heidelberg, Germany) 2022-11-14 [PMID: 36376358] (WB, Human)

Details:

Dilution used in WB 1:1000

Carvalho K, Martin E, Ces A Et al. P2X7-deficiency improves plasticity and cognitive abilities in a mouse model of Tauopathy Progress in neurobiology 2021-08-12 [PMID: 34391810] (ICC/IF, IF/IHC, Mouse)

Martin E, Amar M, Dalle C, et al New role of P2X7 receptor in an Alzheimer's disease mouse model. Mol Psychiatry 2018-06-22 [PMID: 29934546] (IHC-P, Human)

Tomasinsig L, Pizzirani C, Skerlavaj B et al. The human cathelicidin LL-37 modulates the activities of the P2X7 receptor in a structure-dependent manner. J Biol Chem 2008-11-01 [PMID: 18765670]



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### Products Related to NBP1-37775

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00005027-P01-2ug	Recombinant Human P2X7/P2RX7 GST (N-Term) Protein

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### 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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