

Certificate of Analysis

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Anti-P2X7 Receptor Antibody

Purinergic receptor P2X7, P2RX7, P2Z, ATP receptor

Cat #: APR-004 | **Host:** Rabbit | **Type:** Polyclonal | **Form:** Lyophilized**Applications:** ICC, IF, IHC, IP, WB | **Reactivity:** H, M, R**Application key:** CBE- Cell-based ELISA, FC- Flow cytometry, ICC- Immunocytochemistry, IE- Indirect ELISA, IF- Immunofluorescence, IFC- Indirect flow cytometry, IHC- Immunohistochemistry, IP- Immunoprecipitation, LCI- Live cell imaging, N- Neutralization, WB- Western blot**Species reactivity key:** H- Human, M- Mouse, R- Rat

For research purposes only, not for human use

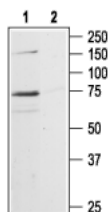
Properties

Immunogen	Peptide (C)KIRKEFPKTQGQYSGFKYPY, corresponding to amino acid residues 576-595 of rat P2X7 receptor (Accession Q64663). Intracellular, C-terminus.
Homology	Mouse - 18/20 amino acid residues identical; human - 16/20 amino acid residues identical.
RRID	AB_2040068.
Purity	Affinity purified on immobilized antigen.
Form	Lyophilized powder. Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN ₃ .
Isotype	Rabbit IgG.
Standard quality control of each lot	Western blot analysis.
Peptide confirmation	Confirmed by amino acid analysis and mass spectrometry.
Storage before reconstitution	The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Reconstitution	25 µl, 50 µl or 0.2 ml double distilled water (DDW), depending on the sample size.
Antibody concentration after reconstitution	0.6 mg/ml.
Storage after reconstitution	The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Applications

Western blot

Rat hippocampus lysate (1:200-1:1000).



Western blot analysis of rat hippocampus lysates:

1. **Anti-P2X7 Receptor Antibody** (#APR-004), (1:200).
2. Anti-P2X7 Receptor Antibody, preincubated with [P2X7 Receptor Blocking Peptide](#) (#BLP-PR004).

Immunoprecipitation

Mouse brain, lung and submandibular glands ([Sim, J.A. et al. \(2004\) J. Neurosci. 24](#), 6307.).

Immunohistochemistry

Rat brain sections (see also 3-5 in recent publications using this product).

Immunocytochemistry

Mouse pancreatic stellate cells (PSCs), (1:100), ([Haanes, K.A. et al. \(2012\) PLoS ONE 7](#), e51164.).

Human MG63 and SaOS2 osteosarcoma cell lines ([Alqallaf, S.M. et al. \(2009\) Br. J. Pharmacol. 156](#), 1124.).

Last update: 23/01/2022