

Certificate of Analysis

KO VALIDATED ✓

Anti-P2X1 Receptor Antibody

P2RX1, P2X purinoceptor 1

Cat #: APR-001 | **Host:** Rabbit | **Type:** Polyclonal | **Form:** Lyophilized**Applications:** ICC, IF, IFC, 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

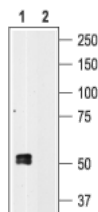
Properties

Immunogen	Peptide (CS)DPVATSSTLGLQENMRTS, corresponding to amino acid residues 382-399 of rat P2X1 receptor (Accession P47824). Intracellular, C-terminus.
Homology	Mouse - 17/18 amino acid residues identical; human - 15/18 amino acid residues identical.
RRID	AB_2040052.
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	0.8 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

Human platelets (1:200).



Western blot analysis of human platelet lysates:

1. **Anti-P2X1 Receptor Antibody** (#APR-001), (1:200).
2. Anti-P2X1 Receptor Antibody, preincubated with P2X1 Receptor Blocking Peptide (#BLP-PR001).

Immunoprecipitation

HEK-293 transfected cells ([Agboh, K.C. et al. \(2009\) *Neuropharmacology* **56**, 230.](#)).

Immunohistochemistry

Rat supra-optic nucleus in axonal processes and heart paraffin section.

Mouse mesenteric arteries ([Vial, C. and Evans, R.J. \(2002\) *Mol. Pharmacol.* **62**, 1438.](#)).

Immunocytochemistry

Human Jurkat and CD4+ T cells ([Woerhle, T. et al. \(2010\) *Blood* **116**, 3475.](#)).

Indirect flow cytometry

Human skin-resident T cells ([MacLeod, A.S. et al. \(2014\) *J. Immunol.* **192**, 5695.](#)).

Last update: 02/01/2022