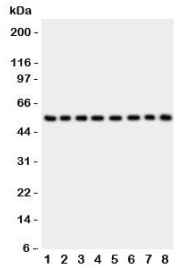
# P2X2 Antibody (R31716)

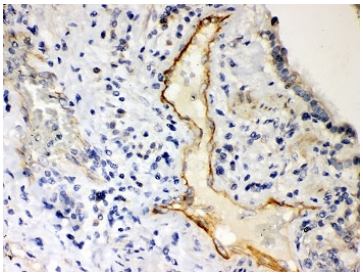
| Catalog No. | Formulation | Size |
|---|---|---|
| R31716 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **Gene ID** | 22953 |
| **Localization** | Cytoplasmic & Membrane |
| **Applications** | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 0.5-1ug/ml |
| **Limitations** | This P2X2 antibody is available for research use only. |




Western blot testing of P2X2 antibody and Lane 1: rat brain; 2: mouse brain; 3: human placenta; 4: (h) HeLa; 5: (h) SHG-44; 6: (m) Neuro-2a; 7: (h) 22RV1; 8: (h) U87 lysate. Expected size 41~55KD



IHC-P: P2X2 antibody testing of human lung cancer tissue

## Description

The P2RX2 gene encodes the P2X2 receptor, which assembles as a trimer to form a ligand-gated ion channel gated by extracellular ATP. P2X2 receptors mediate a variety of cellular responses, including excitatory postsynaptic responses in sensory neurons. The product of this gene belongs to the family of purinoceptors for ATP. P2RX2 is mapped to 12q24.33. It has been found that ATP-activated P2RX2 influenced OHC electromotility, a stimulus-induced change in hair cell length that functions as an amplifier to determine hearing sensitivity and frequency selectivity. Additionally, P2RX2 channels were necessary for development of the temporary threshold shift.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the P2X2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 139-471) was used as the immunogen for this P2X2 antibody.

## Storage

After reconstitution, the P2X2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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