



## Anti-P2X purinoceptor 7, Chicken-Polyclonal Antibody

**Catalog No.** PY-10309  
**Antigen species:** Human  
**Host species:** Chicken

**Quantity:** 100µg  
**Reactivity:** Human, Monkey, chimpanzee  
**Form:** Antigen affinity purified antibody

**Applications tested:** WB

### Target description

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules.

### Antigen

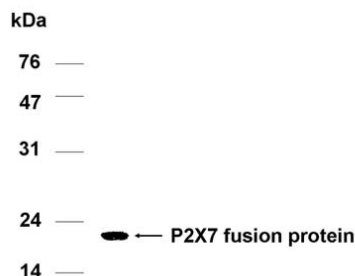
This polyclonal antibody was raised by immunizing chicken with human P2X7 recombinant protein.

### Application

For the first testing, we recommend 1/3000 dilution for Western blot analysis (WB) of recombinant protein, 1/1000 dilution for tissue extracts or cell lysates, 1/100 dilution for immunohistochemistry (IHC) staining on frozen cryosections, 1/50 dilution for IHC staining on paraffin embedded sections.

### Related Products

1. Anti-GnRH, pAb (GB-10474)



### Western blot Protocol

1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
2. Incubate membrane with IgY antibodies at dilution of 1: 3,000 with 1% milk in PBS-T at R.T. for 1 h.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1: 10,000 for ECL (with 1% milk PBS-T) at R.T. for 1 h.
5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
6. Perform ECL detection of signal using Pierce ECL kit.

### Storage

It is supplied as peptide affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml. Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

1. Solini A, Menini S, Rossi C, Ricci C, Santini E, Blasetti Fantauzzi C, Iacobini C, Pugliese G. The purinergic 2X7 receptor participates in renal inflammation and injury induced by high-fat diet: possible role of NLRP3 inflammasome activation. *J. Pathol.* 231 (3), 342-353 (2013)
2. Areeshi MY, Mandal RK, Panda AK, Haque S. Association of P2X7 A1513C (rs3751143) gene polymorphism with risk of tuberculosis: evidence from a meta-analysis. *Genet Test Mol Biomarkers* 17 (9), 662-668 (2013)