

## **Product Data Sheet**

# **Anti-P2X4 Antibody**

Catalog # Source Reactivity Applications

CQA2131 Rabbit H, M, R WB, IF/IC

**Description** Rabbit polyclonal antibody to P2X4

Immunogen Recombinant full length protein of human P2X4

**Purification** The antibody was purified by immunogen affinity chromatography.

**Specificity** Recognizes endogenous levels of P2X4 protein.

**Clonality** Polyclonal

Conjugation

Form Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol,

and 0.01% sodium azide.

**Dilution** WB (1/500 - 1/2000), IF/IC (1/10 - 1/100)

Gene Symbol P2RX4

Alternative Names P2X purinoceptor 4; P2X4; ATP receptor; Purinergic receptor

Entrez Gene 5025 (Human); 29659 (Rat)

SwissProt Q99571 (Human); Q9JJX6 (Mouse); P51577 (Rat)

Storage/Stability Shipped at 4° C. Upon delivery aliquot and store at -20° C for one year. Avoid

freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

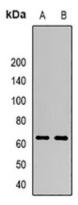
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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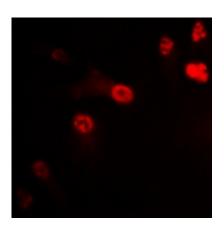
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Western blot analysis of P2X4 expression in SW480 (A), THP1 (B) whole cell lysates. (Predicted band size: 40; 43; 45 kD; Observed band size: 62 kD)



Immunofluorescent analysis of P2X4 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4  $\,^\circ$  C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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