

Anti-P2Y4 Antibody

Catalog # AP60603

Product Information

Application	WB, IF/IC
Primary Accession	P51582
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40963

Additional Information

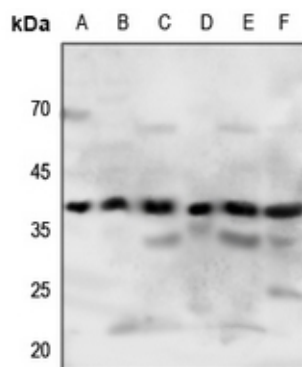
Gene ID	5030
Other Names	NRU; P2Y purinoceptor 4; P2Y4; P2P; Uridine nucleotide receptor; UNR
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human P2Y4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

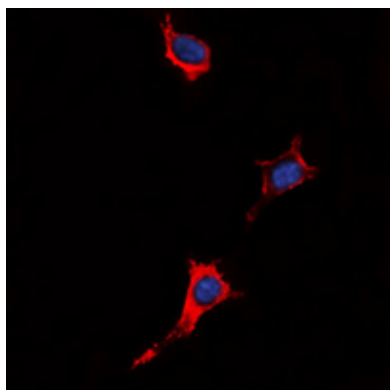
Name	P2RY4
Synonyms	NRU
Function	Receptor for UTP and UDP coupled to G proteins that activate a phosphatidylinositol-calcium second messenger system. Not activated by ATP or ADP.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Pancreas.

Images

Western blot analysis of P2Y4 expression in Hela (A),



H460 (B), mouse lung (C), mouse brain (D), mouse kidney (E), rat kidney (F) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 41 kD)



Immunofluorescent analysis of P2Y4 staining in HeLa 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 °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. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.