

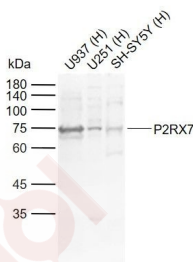
## Anti-P2RX7 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 69 kDa. Actual: 74 kDa.
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Human U937 cell lysates Lane 2: Human U251 cell lysates Lane 3: Human SH-SY5Y cell lysates
Verified Activity:	Primary: Anti-P2RX7 (TMAB-01314) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 69 kDa Observed band size: 74 kDa



Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human P2RX7
Antigen Species:	Human
Gene ID:	5027
Uniprot ID:	Q99572
Synonyms:	P2Z receptor;P2X7;P2X purinoceptor 7;ATP receptor;P2RX7;Purinergeric receptor
Biology Area:	P2X Receptors

## Research Background

The P2X receptor family is comprised of ligand-gated ion channels that allow for the increased permeability of

calcium into the cell in response to extracellular ATP. The seven P2X receptors, P2X1-P2X7, form either homomeric or heteromeric channels or both. They are characterized by intracellular amino- and carboxy-termini. P2X receptors are expressed in a wide variety of tissues, including neurons, prostate, bladder, pancreas, colon, testis and ovary. The major function of the P2X receptors is to mediate synaptic transmissions between neurons and to other tissues via the binding of extracellular ATP, which acts as a neurotransmitter. The P2X receptors may be involved in the onset of necrosis or apoptosis after prolonged exposure to high concentrations of extracellular ATP.

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