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Product datasheet for TA305642

P2RX7 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-3ug/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence YETNKVTRIQSMNY-C, from the N-Terminus of the protein sequence according to NP_002553.2.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	purinergic receptor P2X 7
Database Link:	NP_002553 Entrez Gene 18439 MouseEntrez Gene 29665 RatEntrez Gene 448778 DogEntrez Gene 5027 Human Q99572

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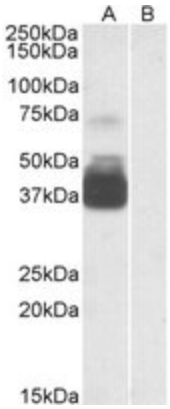
Background: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants which would encode different isoforms have been identified although some fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq]

Synonyms: P2X7

Protein Families: Druggable Genome, Ion Channels: ATP Receptors, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Product images:



TA305642 staining (0.3ug/ml) of Human Brain (Frontal Cortex) lysate (35ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.