

Product Information

MemDX™ Membrane Protein Human P2RY2 (Purinergic receptor P2Y2) for Antibody

Discovery

Cat. No.: **MP0995X**

This product is for research use only and is not intended for diagnostic use.

This product is a 67.21 kDa Human P2RY2 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

P2RY2

Protein Length

Full-length

Molecular Weight

67.21 kDa

TMD

7

Sequence

MAADLGPWNDDTINGTWDGDELGYRCRFNEDFKYVLLPVSYGVVVCVLGLCLNAVALYIFLCRLKTWNASTTYMFHLAVSDALYAASL

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

P2RY2

Full Name

Purinergic receptor P2Y2

Introduction

The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor, found on many cell types, is activated by ATP and UTP and is reported to be overexpressed on some cancer cell types. It is involved in many cellular functions, such as proliferation, apoptosis and inflammation. Three transcript variants encoding the same protein have been identified for this gene.

Alternative Names

P2U; HP2U; P2U1; P2UR; P2Y2; P2RU1; P2Y2R; P2Y purinoceptor 2; ATP receptor; P2U nucleotide receptor; P2U purinoceptor 1; P2U receptor 1; purinergic receptor P2Y, G-protein coupled, 2; purinoceptor P2Y2

Gene ID

[5029](#)

UniProt ID

[P41231](#)