



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

P2Y11 (h): 293T Lysate: sc-117368

BACKGROUND

P2Y purinoceptor 11 (P2Y11) is a 374 amino acid protein belonging to the G protein-coupled receptor one family. P2Y11 is a multi-pass cell membrane protein that acts as a receptor for both ATP and ADP coupled to G proteins. Due to these interactions, P2Y11 is involved in phosphatidylinositol-calcium and adenylyl cyclase pathways. Induced by DMSO and retinoic acid, P2Y11 is highly expressed in spleen tissue. A putative *trans*-splicing event involving the gene that encodes P2Y11 and an upstream gene encoding PPAN has been found to result in a fusion protein, designated PPAN-P2RY11.

REFERENCES

1. Communi, D., Govaerts, C., Parmentier, M. and Boeynaems, J.M. 1997. Cloning of a human purinergic P2Y receptor coupled to phospholipase C and adenylyl cyclase. *J. Biol. Chem.* 272: 31969-31973
2. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 602697. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
3. Lee, D.H., Park, K.S., Kong, I.D., Kim, J.W. and Han, B.G. 2006. Expression of P2 receptors in human B cells and Epstein-Barr virus-transformed lymphoblastoid cell lines. *BMC Immunol.* 7: 22
4. Ecke, D., Tulapurkar, M.E., Nahum, V., Fischer, B. and Reiser, G. 2006. Opposite diastereoselective activation of P2Y1 and P2Y11 nucleotide receptors by adenosine 5'-O-(α -boranotriphosphate) analogues. *Br. J. Pharmacol.* 149: 416-423.
5. Lakshmi, S. and Joshi, P.G. 2006. Activation of Src/kinase/phospholipase C/mitogen-activated protein kinase and induction of neurite expression by ATP, independent of nerve growth factor. *Neuroscience* 141: 179-189.
6. Sundqvist, M. 2007. Developmental changes of purinergic control of intestinal motor activity during metamorphosis in the African clawed frog, *Xenopus laevis*. *Am. J. Physiol. Regul. Integr. Comp. Physiol.* 292: R1916-R1925.
7. Amisten, S., Melander, O., Wihlborg, A.K., Berglund, G. and Erlinge, D. 2007. Increased risk of acute myocardial infarction and elevated levels of C-reactive protein in carriers of the Thr 87 variant of the ATP receptor P2Y11. *Eur. Heart J.* 28: 13-18.

CHROMOSOMAL LOCATION

Genetic locus: P2RY11 (human) mapping to 19p13.2.

PRODUCT

P2Y11 (h): 293T Lysate represents a lysate of human P2Y11 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

P2Y11 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive P2Y11 antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.