


Anti-P2Y12 antibody - N-terminal ab140862

[1 Abreviews](#) [2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-P2Y12 antibody - N-terminal |
| Description | Rabbit polyclonal to P2Y12 - N-terminal |
| Host species | Rabbit |
| Specificity | BLAST analysis of the peptide immunogen showed no homology with other Human proteins. |
| Tested applications | Suitable for: IHC-P, ICC |
| Species reactivity | Reacts with: Human Predicted to work with: Monkey, Gorilla, Common marmoset  |
| Immunogen | Synthetic peptide corresponding to Human P2Y12 (N terminal). Database link: Q9H244 |
| Positive control | Human blood platelets; HEK293 human embryonic kidney cells transfected with P2RY12. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. |
| Storage buffer | pH: 7.4 Preservative: 0.1% Sodium azide Constituent: 99% PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab140862 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-P | | Use a concentration of 32 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| ICC | | Use at an assay dependent concentration. |

Target

Function

Receptor for ADP and ATP coupled to G-proteins that inhibit the adenylyl cyclase second messenger system. Not activated by UDP and UTP. Involved in platelets aggregation.

Tissue specificity

Highly expressed in the platelets, lower levels in the brain. Lowest levels in the lung, appendix, pituitary and adrenal gland. Expressed in the spinal cord and in the fetal brain.

Involvement in disease

Defects in P2RY12 are the cause of P2RY12 deficiency (P2RY12D) [MIM:609821]. It is a condition characterized by severe impairment of platelet response to ADP and abnormal bleeding marked by excessive posttraumatic and postsurgical blood loss.

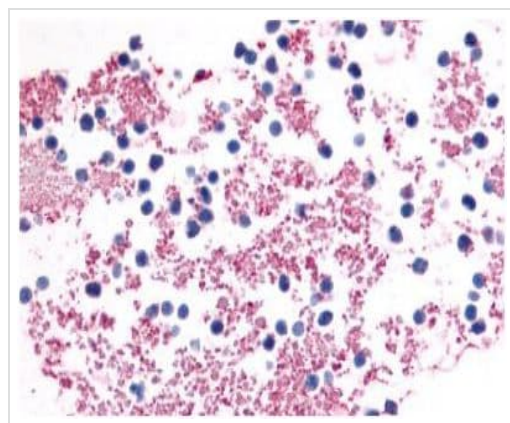
Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

Cellular localization

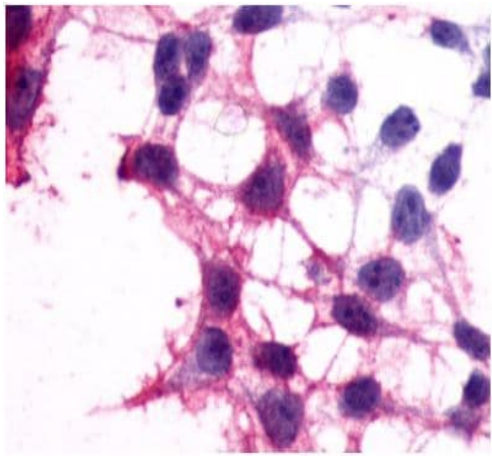
Cell membrane.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human blood platelet tissue labelling P2Y12 with ab140862 at 32 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P2Y12 antibody - N-terminal (ab140862)



Immunocytochemical analysis of HEK293 Human embryonic kidney cells, transfected with P2RY12 labelling P2Y12 with ab140862.

Immunocytochemistry - Anti-P2Y12 antibody - N-terminal (ab140862)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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