


Product datasheet

Anti-P2Y9 antibody ab115454

1 References 1 Image

Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-P2Y9 antibody   |
| <b>Description</b>         | Rabbit polyclonal to P2Y9  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P, WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat, Hamster, Gorilla, Common marmoset, Bat  |
| <b>Immunogen</b>           | Synthetic peptide conjugated to KLH, corresponding to a region from the C-terminal cytoplasmic domain of Human P2Y9.   |
| <b>Positive control</b>    | Human Brain, Cortex tissue   |

Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. |
| <b>Storage buffer</b>       | Preservative: 0.01% Sodium azide<br>Constituent: 99% PBS                              |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab115454** 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 20 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| WB          |           | Use at an assay dependent concentration. Predicted molecular weight: 42 kDa. PubMed: 24396418   |

## Target

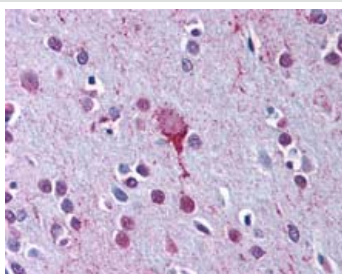
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|                              |  |
|------------------------------|--|
| <b>Function</b>              | Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Transduces a signal by increasing the intracellular calcium ions and by stimulating adenylyl cyclase activity. The rank order of potency for agonists of this receptor is 1-oleoyl- > 1-stearoyl- > 1-palmitoyl- > 1-myristoyl- > 1-alkyl- > 1-alkenyl-LPA. |
| <b>Tissue specificity</b>    | High expression in ovary. Not detected in the brain regions thalamus, putamen, caudate, frontal cortex, pons, hypothalamus and hippocampus.  |
| <b>Sequence similarities</b> | Belongs to the G-protein coupled receptor 1 family.  |
| <b>Cellular localization</b> | Cell membrane.   |

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## Images

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ab115454, at 20 µg/ml, staining P2Y9 in formalin-fixed, paraffin-embedded Human Brain, Cortex tissue by Immunohistochemistry, using a biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P2Y9 antibody (ab115454)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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