Anti-PIP2 antibody ab2335

Overview

**Product name**: Anti-PIP2 antibody

**Description**: Mouse monoclonal to PIP2

**Host species**: Mouse

**Specificity**: This antibody cross reacts with Phosphatidic acid (<5.0%).

**Tested applications**: Suitable for: ICC/IF

**Immunogen**: Phosphatidylinositol-4,5-biphosphate (PIP2) from bovine spinal cord

Properties

**Form**: Liquid

**Storage instructions**: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Storage buffer**: Preservative: 0.1% Sodium azide
Constituents: PBS, 10% Fetal calf serum

**Purity**: Protein A purified

**Clonality**: Monoclonal

**Isotype**: IgG2b

Applications

Our Abpromise guarantee covers the use of ab2335 in the following tested applications.

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

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<td>ICC/IF</td>
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<td>Use at an assay dependent concentration. TBS buffer is ideal.</td>
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Target
Phosphatidylinositol 4,5-bisphosphate (PIP2) is a membrane phospholipid that has been implicated in a variety of cellular processes, including synaptic vesicle recycling and signal transduction pathways. PLCδ4 hydrolyzes PIP2 to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3).

Images

ab2335, staining PIP2 in non-polarized (left) and polarized (right) AX3 cells by Immunocytochemistry/Immunofluorescence.

Cells were fixed with formaldehyde, glutaraldehyde, and 0.01% Triton X-100 in PBS for 10 min. Samples were incubated with primary antibody at 1/100 dilution.

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