

# PIP (PIP1;1, PIP1;2, PIP1;3, PIP1;4, PIP1;5) | Aquaporins

Cat PA00739

Size 50 µg

## Host

Rabbit

## Clonality

Polyclonal

## Confirmed reactivity

Arabidopsis thaliana, Brassica sp., Jatropha curcas L. cv. Biji Jarak, Mesembryanthemum crystallinum, Populus nigra, Populus trichocarpa, Raphanus sativus, Setaria viridis, Thellungiella salsuginea

## Immunogen

KLH-conjugated synthetic peptide conserved in Arabidopsis thaliana: PIP1;1 UniProt: P61837,At3g61430 PIP1;2 UniProt: Q06611,TAIR: At2g45960 PIP1;3 UniProt: Q08733,TAIR: At1g01620, PIP1;4 UniProt: Q39196,TAIR: At4g00430, PIP1;5 UniProt: Q8LAA6 TAIR:At4g23400

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## Clonality

Polyclonal

## Purity

Immunogen affinity purified serum in PBS pH 7.4.

## Format

Lyophilized

## Reconstitution

For reconstitution add 50 µl of sterile water

## Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

## Application

Western blot (WB)

## Recommended dilution

1 : 1000 (WB)

## Expected | apparent MW

30,68 | 28 kDa

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## Predicted reactivity

Brassica sp., Hordeum vulgare, Juglans regia, Nicotiana tabacum, Oryza sativa, Populus tremula, Triticum aestivum, Vicia faba

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## Not reactive in

Fragaria sp., Spinacia oleracea

## Additional information

Antibodies will detect target protein in a few µg of a crude preparation loaded per well, If purified preparations of vacuolar and plasma membranes are used, one µg load per well should be sufficient, Protein or membrane sample should be treated at 70°C for 10 min before loading on the gel.

## Description

PIPs proteins are aquaporins that facilitate the transport of water and small neutral molecules across cell membranes. Alias :PIP1-1, PIP1-2, PIP1-3, intrinsic plasma membrane protein 1a, 1b, 1c, PIP1a, PIP1b, PIP1c, plasma membrane aquaporin 1, transmembrane protein A, TMP-A, AthH2, transmembrane protein B, TMP-B,

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