

GAPC1/2 | Glyceraldehyde-3-phosphate dehydrogenase (cytosolic)

Cat PA00342

Size 50 µg

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana, *Synechocystis* sp. PCC 6803

Immunogen

KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* GAPC1 and GAPC2 proteins, UniProt: P25858, Q9FX54

Host

Rabbit

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 at 4°C; make aliquots to avoid working with a stock. 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

37 kDa

Confirmed reactivity

Arabidopsis thaliana, *Synechocystis* sp. PCC 6803

Predicted reactivity

Anthurium amnicola, *Andrographis paniculata*, *Arachis ipaensis*, *Beta vulgaris*, *Brassica napus*, *Brassica olerace*, *Cajanus caja*, *Camelina sativa*, *Capsella rubella*, *Capsicum annuum*, *Carthamus tinctorius*, *Chlamydomonas reinhardtii*, *Cucumis sativus*, *Daucus carota*, *Elettaria cardamomum*, *Eleutherococcus senticosus*, *Eucalyptus*

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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grandis, Glycine max, Gymnadenia conopsea, Hordeum vulgare, Jatropha curcas, Mangifera indica, Malus domestica, Manihot esculenta, Medicago truncatula, Mikania micrantha, Nicotiana benthamiana, Oryza sativa, Phaseolus vulgaris, Prunus persica, Raphanus sativus, Rosmarinus officinalis, Salvia officinalis, Solanum lycopersicum, Solanum tuberosum, Spinacia oleracea, Tamarix hispida, Tarenaya hassleriana, Theobroma cacao, Triticum monococcum, Triticum aestivum, Vaccinium uliginosum, Vigna radiata, Vitis vinifera, Zostera marina

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

Use of this antibody as a loading control should be supported with specific experimental data

Description

Glyceraldehyde-3-phosphate dehydrogenase is an enzyme that catalyzes the first step of glycolysis, converting d-glyceraldehyde-3-phosphate (G3P) to 3-phospho-d-glyceryl phosphate. This enzyme is essential for carbohydrate metabolism and maintaining cellular ATP levels. Synonymous names for genes :GAPC, GAPDH.

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