

This product is for research use only (not for diagnostic or therapeutic use)

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Product no AS11 1627

RBR1 | Retinoblastoma related protein

Product information

Immunogen Recombinant C-terminal fragment consisting of 236 amino acids of *Arabidopsis thaliana* retinoblastoma protein UniProt: Q9LKZ3, ITAIR: At3g12280

Host Chicken

Clonality Polyclonal

Purity Purified, total IgY (chicken egg yolk immunoglobulin) in PBS pH 8. Contains 0.02 % sodium azide.

Format Liquid

Quantity 50 μl

Storage Store at 4°C. Upon arrival 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.

Additional information Total IgY concentration is 30,8 mg/ml

112 kDa

Application information

Recommended dilution 2µl (IP), 1 : 2000 (WB)

Expected | apparent

11/1

MW

Confirmed reactivity | Arabidopsis thaliana, Medicago sativa

Predicted reactivity

Camelia sinensis, Chenopodium rubrum, Cocos nucifera, Hordeum vulgare, Oryza sativa, Pisum sativum, Populus tremula, Scutelaria baicalensis, Zea mays

Species of your interest not listed? Contact us

Not reactive in

Chlamydomonas reinhardtii

Additional information

This antibody is not suitable for immunolocalization.

Methanol concentration in a transfer buffer can be considerably reduced or for a better transfer of high MW proteins (even with PVDF membrane).

For immunoprecipitation start with 2 µl and titrate it depending upon your experimental conditions. Please note that you work with a total IgY fraction, which means that it will contain between 40-60 µg of total IgY (directed not only against retinoblastoma) therefore all of this IgY needs to be captured by the anti-IgY matrix.

As control pre-serum for IP this product can be used, total, pre-immune IqY.

Selected references

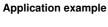
Leviczky et al. (2019). E2FA and E2FB transcription factors coordinate cell proliferation with seed maturation.

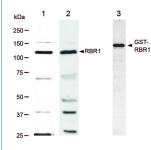
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35 µg of total proteins from *Arabidopsis thaliana* Col-0 cell suspension culture (1) or one week old seedlings (2) as well as 3.5ng of purified GST-RBR1 fusion protein (3) were separated on 8% Laemmli SDS polyacrylamide gels and blotted onto PVDF membrane overnight. Filters were blocked in 5% milk powder in TBS-0.05% Tween 20 (TBS-T) for 2 hours then probed with anti-RBR1 antibody (1:6000, 2 hours at RT) and HRP-conjugated rabbit anti-chicken IgY secondary antibody (1:20000, 1 hour at RT) in TBS-T containing 5% milk powder. After each antibody incubation steps filters were washed with TBS-T, TBS-T containing 2% milk powder, TBS-T for 10 min each on a rocking platform. Signal was developed with chemiluminescent detection reagent of extreme low femtogram range and visualized by exposing to a film (Agfa Cronex 5) for 5 min.

Courtesy Dr. Laszlo Bako, Umeå Plant Science Center, Sweden