**MARBP | matrix attachment region-binding protein**

**Background**
MARBP (matrix associated region binding protein) is a protein which binds to DNA sequences called MAR (matrix-associated region). Tobacco MARBP accumulates into the nucleolus in a growth-stage-specific manner.

**Immunogen**
Full length, recombinant, purified MARBP from *Nicotiana tabacum*.

**Host**
Rabbit

**Clonality**
Polyclonal

**Purity**
Serum

**Format**
Lyophilized

**Quantity**
100 µl

**Reconstitution**
For reconstitution add 100 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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Tested applications**
Western blot (WB), immunofluorescence (IF)

**Related products**

- AS10 710 | H3 | histone H3 antibody
- Plant protein extraction buffer
- Secondary antibodies

**Additional information**
MARBP is detectable in most plant cells and can be considered as a good marker of plant nucleolus. Protein accumulates in middle- and late-log phases.

Contains less than 0.1 % of sodium azide as preservative.

**Application information**

**Recommended dilution**
1: 2000 with standard ECL (WB), 1: 100 (IF)

**Expected apparent MW**
70 kDa

**Confirmed reactivity**
*Arabidopsis thaliana, Nicotiana tabacum*

**Predicted reactivity**
Higher plants

**Not reactive in**
No confirmed exceptions from predicted reactivity known in the moment

**Additional information**
Manufactured by Operon Biotechnologies.

**Selected references**
Fujiwara et al. (2002). Molecular properties of a matrix attachment region-binding protein located in the nucleoli of tobacco cells. Plant and Cell Physiology, 43: 1558-1567