

BC12 Rabbit pAb

Catalog No.: A20638

Basic Information

Observed MW

116kDa

Calculated MW

116kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Oryza sativa

Background

Microtubule-dependent motor protein involved in the control of the oriented deposition of cellulose microfibrils. Involved in wall biogenesis and modification, and contributes to cell-cycle progression and cell division. Acts as a transcriptional activator in gibberellic acid (GA) biosynthesis pathway. Binds specifically to the DNA sequence 5'-ACCAACTTGAA-3' of the ent-kaurene oxidase 2 (CYP701A6 or OsKO2) promoter. May regulate CYP701A6 gene expression and mediates cell elongation by regulating the GA biosynthesis pathway

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4346402

Swiss Prot

Q6YUL8

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

BC2; GDD1; KIF4-like; Osj_28385; OJ1134_E08.39-1; OJ1134_E08.39-2; OJ1134_E08.39-3; BC12

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

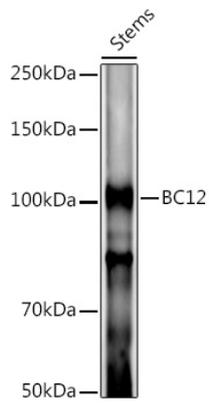
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of extracts of various tissues from the japonica rice (*Oryza sativa* L.) variety Zhonghua 11, using BC12 Rabbit pAb (A20638) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 120s.