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## **FCA (N) Antibody, Rabbit Polyclonal**

**Cat#:** R3399-1

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 82, 58, 55, 29 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** O04425

### **Background:**

FCA plays a major role in the promotion of the transition of the vegetative meristem to reproductive development. FCA plays a role in the regulation of flowering time in the autonomous flowering pathway by decreasing FLOWERING LOCUS C mRNA levels. FCA required for RNA-mediated chromatin silencing of a range of loci in the genome. Cotranscriptionally recognizes aberrant RNA and marks it for silencing. Controls alternative cleavage and polyadenylation on pre-mRNAs and antisense RNAs. FCA acts redundantly with FPA to prevent the expression of distally polyadenylated antisense RNAs at the FLC locus.

### **Other Names:**

Flowering time control protein FCA, At4g16280, At4g16290, At4g16300, dl4180c, dl4181c, dl4182c, FCAALL.331

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* FCA (AT4G16280). Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

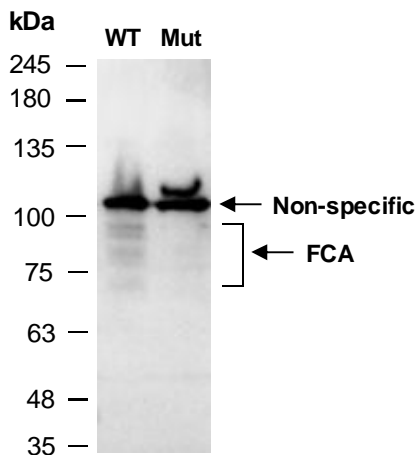
Arabidopsis thaliana

### **Tested Applications:**

WB: 1:500-1:2,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of equal amounts of protein extracts from wild type (WT) or FCA-deficient mutant (Mut) *Arabidopsis* leaves; using anti-FCA (N) (R3399-1) at RT for 2 h. Multiple isoforms of FCA have been reported.