



Order: (888)-282-5810 (Phone)  
(818)-707-0392 (Fax)  
[order@abiocode.com](mailto:order@abiocode.com)  
Web: [www.Abiocode.com](http://www.Abiocode.com)

---

## **ASK1/SKP1A (M) Antibody, Rabbit Polyclonal**

**Cat#: R3502-1**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 18 | 18, 27 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q39255**

### **Background:**

ASK1 is also known as S PHASE KINASE-ASSOCIATED PROTEIN 1 (SKP1A), which is involved in ubiquitination and subsequent proteasomal degradation of target proteins. Together with CUL1, RBX1 and a F-box protein, it forms a SCF E3 ubiquitin ligase complex. The functional specificity of this complex depends of the type of F-box protein. In the SCF complex, it serves as an adapter that links the F-box protein to CUL1. SCF(UFO) is required for vegetative and floral organ development as well as for male gametogenesis. SCF(TIR1) is involved in auxin signaling pathway. SCF(CO11) regulates responses to jasmonates. SCF(EID1) and SCF(AFR) are implicated in phytochrome A light signaling. SCF(ADO1), SCF(ADO2), SCF(ADO3) are related to the circadian clock. SCF(ORE9) seems to be involved in senescence. SCF(EBF1/EBF2) may regulate ethylene signaling. ASK1 plays a role during embryogenesis and early postembryonic development, especially during cell elongation and division. ASK1 contributes to the correct chromosome segregation during tetrad formation.

### **Other Names:**

SKP1-like protein 1A, UFO-binding protein 1, UIP1, At1g75950, T4O12.17, ARABIDOPSIS SKP1 HOMOLOGUE 1, ATSKP1, S PHASE KINASE-ASSOCIATED PROTEIN 1, UFO INTERACTING PROTEIN 1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of *arabidopsis thaliana* ASK1/SKP1A (At1g75950). 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.

### **Tested Applications:**

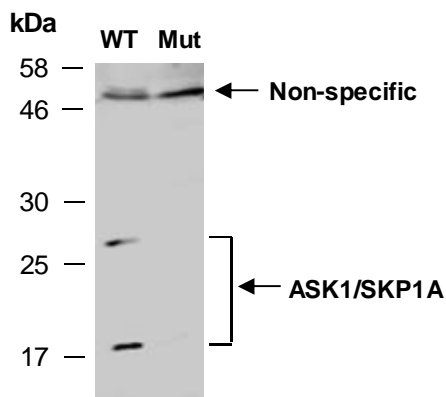
WB: 1:500-1:2,000 (detect endogenous protein\*)

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

**Species Specificity:**

Arabidopsis thaliana

**Product Data:**



**Fig 1.** Western blot analysis of equal amounts of protein extracts from wild type (WT) or ASK1-knockdown mutant (Mut) arabidopsis leaves, using anti-ASK1 (M) (R3502-1) at RT for 2 h. Two isoforms of ASK1 have been observed (Gray et al., 1999, *Genes & Dev.*, 13:1678–1691; Devoto et al., 2002, *Plant J.*, 32:457–466). The 27kD isoform may represent a modified ASK1 protein.