



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

---

## **AUP1 (C2) Antibody, Rabbit Polyclonal**

**Cat#: R2255-3**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 32 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: P70295**

### **Background:**

Ancient ubiquitous protein 1 (AUP1) is a single-pass type III membrane protein located at the cytoplasmic side of the Endoplasmic reticulum membrane. AUP1 may play a role in the translocation of terminally misfolded proteins from the endoplasmic reticulum lumen to the cytoplasm and their degradation by the proteasome. AUP1 contains a domain with homology to the ancient conserved region of the archain 1 gene and a domain that may be involved in binding to ubiquitin-conjugating enzymes. AUP1 has been shown to bind to the conserved membrane-proximal sequence of the cytoplasmic tail of integrin alpha(IIb) subunits. These subunits play a crucial role in the integrin alpha(IIb)beta(3) inside-out signaling in platelets and megakaryocytes that leads to the platelet aggregation and thrombus formation.

### **Other Names:**

Ancient ubiquitous protein 1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse AUP1. 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:**

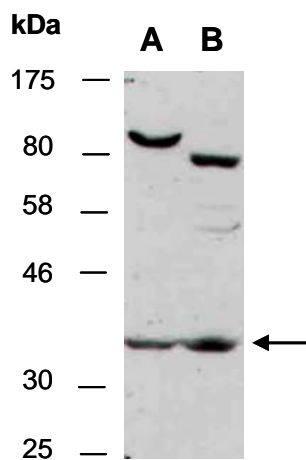
Mouse

### **Tested Applications:**

WB: 1:1,000-1:3,000 (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 total cell extracts from A) mouse brain, B) mouse thymus; using anti-AUP1 (C2) (R2255-3) at RT for 2 h.