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## MRAP2 (C) Antibody, Rabbit Polyclonal

**Cat#:** R3234-2

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 24 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q96G30

### **Background:**

Melanocortin-2 receptor accessory protein 2 (MRAP2) is a single-pass type I membrane protein and a modulator of melanocortin receptor 4 (MC4R), a receptor involved in energy homeostasis. MRAP2 plays a central role in the control of energy homeostasis and body weight regulation by increasing ligand-sensitivity of MC4R and MC4R-mediated generation of cAMP. By similarity, MRAP2 may also act as a negative regulator of MC2R by competing with MRAP for binding to MC2R; thus impairing the binding of corticotropin (ACTH) to MC2R.

### **Other Names:**

Melanocortin-2 receptor accessory protein 2, MC2R accessory protein 2, C6orf117

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of human MRAP2. 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:**

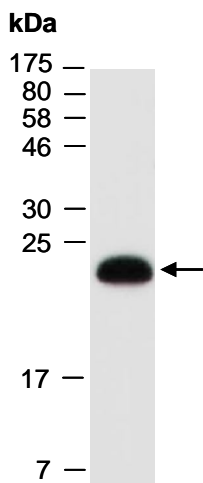
Human, Mouse

### **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 mouse brain; using anti-MRAP2 (C) (R3234-2) at RT for 2 h.