

# Anti-Dab1 (Mouse) mAb

<b>CODE No.</b>	D354-3
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	4H11
<b>ISOTYPE</b>	Rat IgG1 $\kappa$
<b>QUANTITY</b>	100 $\mu$ L, 1 mg/mL
<b>SOURCE</b>	Purified IgG from hybridoma supernatant
<b>IMMUNOGEN</b>	Mouse Dab1 (recombinant)
<b>FORMULATION</b>	PBS containing 50% Glycerol (pH 7.2). No preservative is contained.
<b>STORAGE</b>	This antibody solution is stable for one year from the date of purchase when stored at -20°C.

## APPLICATION-CONFIRMED

Western blotting 1  $\mu$ g/mL

## APPLICATIONS-REPORTED

Immunocytochemistry Reference 1)

Immunohistochemistry Reference 1)

## SPECIES CROSS REACTIVITY on WB

Species	Human	Mouse	Rat	Hamster
Sample	Not tested	Transfectant	Not tested	Not tested
Reactivity		+		

**Entrez Gene ID** 13131 (Mouse)

## REFERENCES

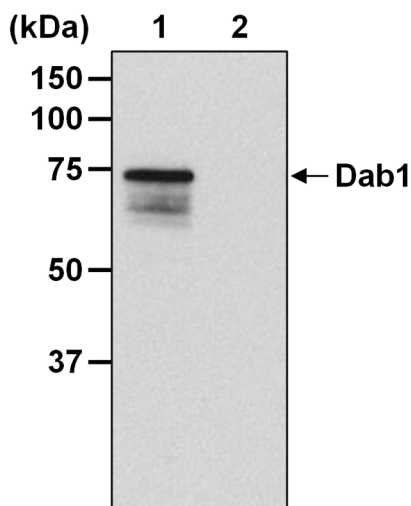
- 1) Onoue, A., *et al.*, *Neurosci. Res.* **88**, 23-27 (2014) [WB, IC, IHC-fr]
- 2) Uchida, T., *et al.*, *J. Neurosci.* **29**, 10653-10662 (2009)
- 3) Morimura, T., *et al.*, *J. Biol. Chem.* **280**, 16901-16908 (2005)

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### **SDS-PAGE & Western blotting**

- 1) Boil the sample for 2 min. and centrifuge. Load 20  $\mu$ L of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel (7.5% acrylamide) for electrophoresis.
- 2) Blot the protein to a polyvinylidene difluoride (PVDF) membrane at 1 mA/cm<sup>2</sup> for 1 hr. in a semi-dry transfer system (Transfer Buffer: 25 mM Tris, 190 mM glycine, 20% methanol). See the manufacturer's manual for precise transfer procedure.
- 3) To reduce nonspecific binding, soak the membrane in 10% skimmed milk (in PBS, pH 7.2) overnight at 4°C.
- 4) Wash the membrane with PBS-T [0.05% Tween-20 in PBS] (5 min. x 3).
- 5) Incubate the membrane with primary antibody diluted with 1% skimmed milk (in PBS, pH 7.2) as suggested in the **APPLICATION** for 1 hr. at room temperature. (The concentration of antibody will depend on the conditions.)
- 6) Wash the membrane with PBS-T (5 min. x 3).
- 7) Incubate the membrane with HRP-conjugated anti-rat IgG antibody diluted with 1% skimmed milk (in PBS, pH 7.2) for 1 hr. at room temperature.
- 8) Wash the membrane with PBS-T (5 min. x 3).
- 9) Wipe excess buffer on the membrane, and then incubate it with appropriate chemiluminescence reagent for 1 min. Remove extra reagent from the membrane by dabbing with paper towel, and seal it in plastic wrap.
- 10) Expose to an X-ray film in a dark room for 3 min. Develop the film as usual. The condition for exposure and development may vary.

(Positive control for Western blotting; Transfectant)



### **Western blot analysis of mouse *Dab1***

Lane 1: Mouse Dab1/COS-7  
Lane 2: COS-7

Immunoblotted with Anti-Dab1 (Mouse) mAb (MBL, code no. D354-3)

The sample was kindly provided by Dr. Mitsuharu Hattori.  
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