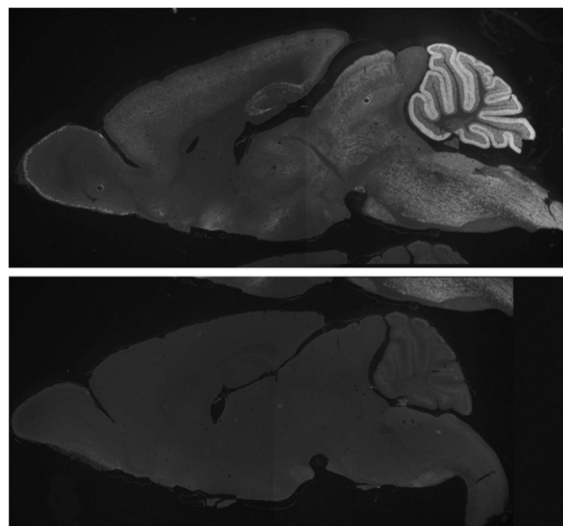
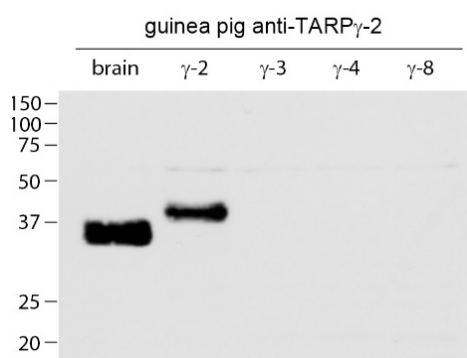


***Anti-TARP  $\gamma$  2****(transmembrane AMPA receptor-interacting protein  $\gamma$  2)***Code Number** : TARPg2-Rb-Af330 (rabbit, RRID : AB\_2571844)**Size** : 20  $\mu$ g and 50  $\mu$ g / See label on vial  
(affinity-purified with antigen polypeptide)**Formulation** : Liquid ; 200  $\mu$ g/ml in PBS with 0.05% NaN<sub>3</sub>.**Storage** : Store at 4°C. The antibody can be stored at 4°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.**Species** : rabbit, polyclonal**Antigen** : mouse, 302-318 aa (CIQKDSKDSLHANTANR, AF077739)**Specificity** : mouse (others not tested)

This antibody strongly stains cerebellar cortex of wild-type mice, but not its knockout mice.

**Applications** : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

**Research Use** : For research use only, not for use in diagnostic procedures.

**Remarks** : To detect  $\gamma$  - 2 at postsynaptic site, antigen retrieval methods need to be adopted, such as pepsin pretreatment of sections or postembedding immunogold microscopy.

**Reference** : Yamazaki M, Fukaya M, Hashimoto K, Yamasaki M, Tsujita M, Itakura M, Abe M, Natsume R, Takahashi M, Kano M, Sakimura K, Watanabe M: TARPs  $\gamma$ -2 and  $\gamma$ -7 are essential for AMPA receptor expression in the cerebellum. *Eur. J. Neurosci.*, 31:2204-2220. 2010.

2) Yamasaki M, Fukaya M, Yamazaki M, Azechi H, Natsume R, Abe M, Sakimura K, Watanabe M: TARP  $\gamma$ -2 and  $\gamma$ -8 differentially control biased AMPAR density across Schaffer collateral/commissural synapses in the hippocampal CA1. *J Neurosci*, 36:4296-4312, 2016.