**Anti-GABA_A receptor-α1**

**Code Number**: GABAARa1-Rb-Af660 (rabbit, RRID: AB_2571571)  
GABAARa1-GP-Af440 (guinea pig, RRID: AB_2571572)

**Size**: 20 µg and 50 µg / See label on vial  
(affinity-purified with antigen polypeptide)

**Formulation**: Liquid: 200 µg/ml in PBS with 0.05% NaN3.

**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 / guinea pig, polyclonal

**Antigen**: mouse GABAARα1, 369-386aa (NM_010250)

**Specificity**: mouse (others not tested)  
Immunoblot with the antibodies detects a band at 43 kDa in mouse brain homogenates and multiple bands in HEK cell lysates transfected with GABAARα1, but not GABAARα2. Immunohistochemistry labels synaptic membrane at GABAergic synapses and also labels extrasynaptic neuronal surface.
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: Detection of synaptic GABAARα1 is enhanced by mild section pretreatment with pepsin, due to better antibody penetration into postsynaptic membrane.

