

GABA A Receptor Epsilon Antibody
GABA A Receptor Epsilon Antibody, Clone S413-67
Catalog # ASM10325**Specification**

GABA A Receptor Epsilon Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	P78334
Other Accession	NP_004952.2
Host	Mouse
Isotype	IgG2A
Reactivity	Human, Rat
Clonality	Monoclonal

Description

Mouse Anti-Human GABA A Receptor Epsilon Monoclonal IgG2A

Target/Specificity

Detects ~60kDa.

Other Names

Gamma-aminobutyric acid receptor subunit epsilon Antibody, GABRE Antibody

Immunogen

Fusion protein amino acids 27-253 (Extracellular N-terminus) of human GABA A Receptor Epsilon

Purification

Protein G Purified

Storage **-20°C**

Storage Buffer

PBS pH7.4, 50% glycerol, 0.1% sodium azide

Shipping Temperature

Blue Ice or 4°C

Certificate of Analysis

A 1:100 dilution of SMC-493 was sufficient for detection of GABA-A R, Epsilon in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Cellular Localization

Cell Junction | Synapse | Postsynaptic Cell Membrane | Cell Membrane

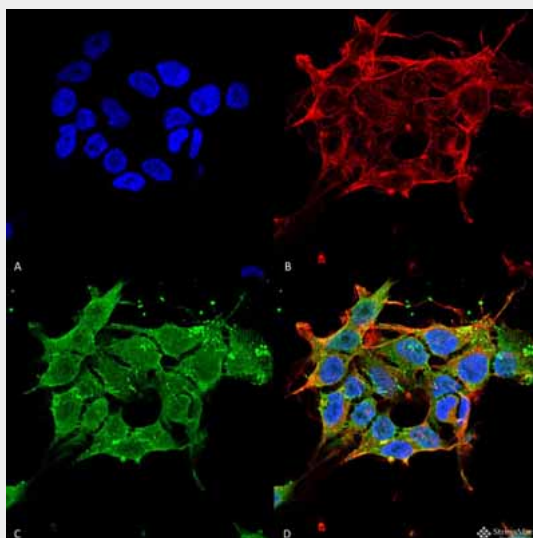
GABA A Receptor Epsilon Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

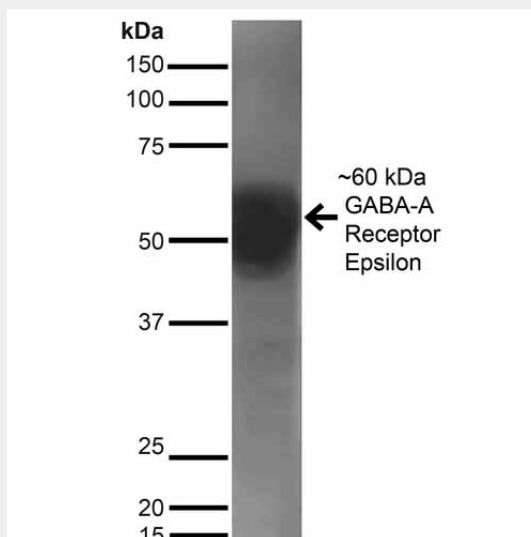
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GABA A Receptor Epsilon Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Epsilon Monoclonal Antibody, Clone S413-67 (ASM10325). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GABA-A Receptor Epsilon Monoclonal Antibody (ASM10325) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cell Junction, Synapse, Postsynaptic Cell Membrane, Cell Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) GABA-A Receptor Epsilon Antibody (D) Composite.



Western Blot analysis of Rat Brain showing detection of ~60 kDa GABA A Receptor Epsilon protein using Mouse Anti-GABA A Receptor Epsilon Monoclonal Antibody, Clone S413-67 (ASM10325). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 10 µg. Block: 2% GE Healthcare Blocker for 1 hour at RT. Primary Antibody: Mouse Anti-GABA A Receptor Epsilon Monoclonal Antibody

(ASM10325) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~60 kDa.

GABA A Receptor Epsilon Antibody - Background

The GABA A Receptor is a member of the superfamily of fast acting ligand-gated ion channels. The individual subunits of these receptors have similar sequences and structural features (1). GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain (2). Brainstem expression of GABA-A Receptor, Epsilon, is upregulated during pregnancy (3).

GABA A Receptor Epsilon Antibody - References

1. Bracamontes J.R. and Steinbach J.H. (2008) J Bio Chem. 283: 26128-26136.
2. Macdonald R.L., Olsen R.W. (1993) Annu Rev Neurosci. 17: 569-602.
3. Hengen K.B., et al. (2012) PLoS One. 7(1): e30608.