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Datasheet for ABIN1742382

anti-STXBP5 antibody (AA 1031-1103)

2 Images

1 Publication

Overview

Quantity:	50 µg
Target:	STXBP5
Binding Specificity:	AA 1031-1103
Reactivity:	Human, Rat, Mouse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant rat tomosyn 1 (aa 1031-1103).
Cross-Reactivity (Details):	Likely to cross-react with tomosyn 2 due to sequence homology.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Target Details

Target:	STXBP5
Alternative Name:	Tomosyn (STXBP5 Products)

Application Details

Application Notes:	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 500
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Application Details

IHC: not tested yet

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: For reconstitution add 50 µL H₂O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.

Buffer: PBS

Handling Advice: Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.

Storage: -20 °C

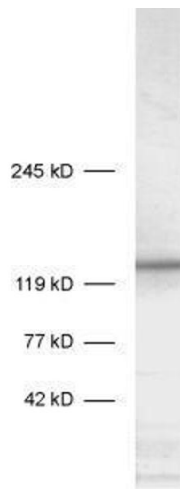
Storage Comment: Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

Publications

Product cited in: Matthäus, Haddjeri, Sánchez, Martí, Bahri, Rovera, Schloss, Lau: "The allosteric citalopram binding site differentially interferes with neuronal firing rate and SERT trafficking in serotonergic neurons." in: **European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology**, Vol. 26, Issue 11, pp. 1806-1817, (2016) ([PubMed](#)).

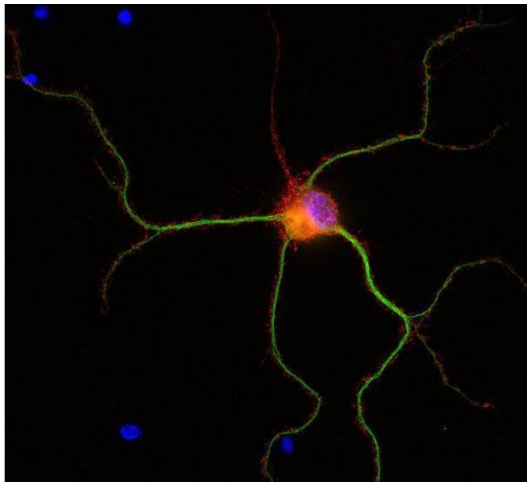
Andres, Keyser, Petrali, Benton, Hubbard, McNutt, Ray: "Morphological and functional differentiation in BE(2)-M17 human neuroblastoma cells by treatment with Trans-retinoic acid." in: **BMC neuroscience**, Vol. 14, pp. 49, (2013) ([PubMed](#)).

Lau, Heimann, Bartsch, Schloss, Weber: "Nongenomic, glucocorticoid receptor-mediated regulation of serotonin transporter cell surface expression in embryonic stem cell derived serotonergic neurons." in: **Neuroscience letters**, Vol. 554, pp. 115-20, (2013) ([PubMed](#)).



Western Blotting

Image 1. dilution: 1 : 1000, sample: crude synaptosomal fraction of rat brain (P2)



Immunocytochemistry

Image 2. Immunofluorescence labeling of PFA fixed rat hippocampus neurons with anti-tomosyn (dilution 1 : 500; red) and mouse anti-MAP 2, (cat. no. 188 011, dilution 1 : 500; green). Nuclei have been visualized by DAPI staining (blue).