Datasheet for ABIN1742277

anti-UNC13A/Munc13-1 antibody (AA 3-317)

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Overview

Quantity:	200 µL
Target:	UNC13A/Munc13-1 (UNC13A)
Binding Specificity:	AA 3-317
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNC13A/Munc13-1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant rat munc 13-1 (aa 3-317).
Specificity:	Specific for munc 13-1.
Purification:	antiserum

Target Details

Target:	UNC13A/Munc13-1 (UNC13A)
Alternative Name:	Munc 13-1 (UNC13A Products)
Pathways:	Skeletal Muscle Fiber Development, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	WB: 1 : 1000 (AP staining) ICC: 1 : 500 IHC: 1 : 200 ELISA: not tested yet
Comment:	IP: For most effective IP use the solubilization protocol described in the ELISA protocol. Consider that protein-protein interaction may be affected. ICC: This antibody gives much better results in ICC than the monoclonal antibody. ELISA: Suitable as detector antibody for sandwich-ELISA with ABIN1742276 as capture antibody (protocol for sandwich-ELISA).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 200 µl H2O, then aliquot and store at -20°C until use.
Buffer:	PBS
Handling Advice:	Crude antisera are more robust than monoclonals. With anti-microbials added, they may be stored at 4 °C. Serum does not contain active proteases, in fact, serum itself contains a powerful cocktail of protease inhibitors. Frozen storage (-20 °C),however, is preferable.
Storage:	4 °C/-20 °C
Storage Comment:	Unlabeled 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.

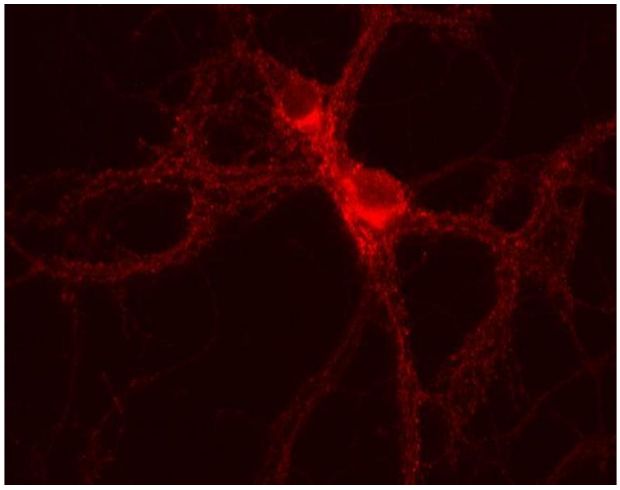
Publications

Product cited in:	Fernandes, Riordan, Nomura, Remmers, Kraniotis, Marshall, Kukreja, Vassar, Contractor: "Epac2 Mediates cAMP-Dependent Potentiation of Neurotransmission in the Hippocampus." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 35, Issue 16, pp. 6544-53, (2015) (PubMed). Juranek, Mukherjee, Siddiqui, Kaplan, Li, Ahnert-Hilger, Jahn, Calka: "Active zone protein expression changes at the key stages of cerebellar cortex neurogenesis in the rat." in: **Acta histochemica**, Vol. 115, Issue 6, pp. 616-25, (2013) (PubMed).

Publications

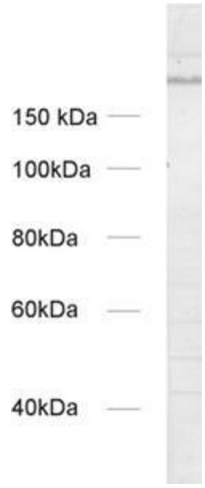
Rinetti, Schweizer: "Ubiquitination acutely regulates presynaptic neurotransmitter release in mammalian neurons." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 30, Issue 9, pp. 3157-66, (2010) (PubMed).

Images



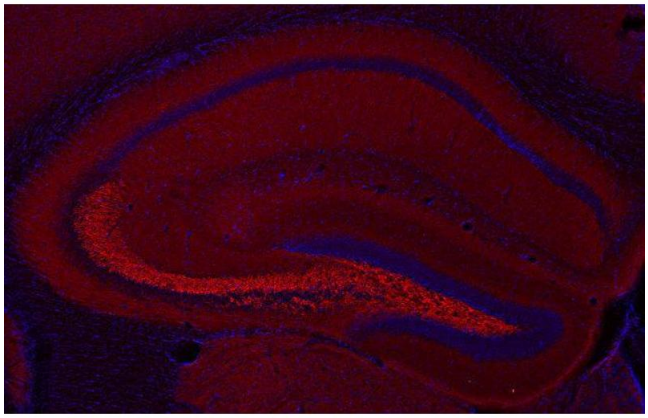
Immunocytochemistry

Image 1. Indirect immunostaining of PFA fixed mouse hippocampus neurons (dilution 1 : 500).



Western Blotting

Image 2. dilution: 1 : 1000, sample: crude synaptosomal fraction of rat brain (P2)



Immunohistochemistry

Image 3. Indirect immunostaining of a PFA fixed mouse hippocampus section (dilution 1 : 200; red). Nuclei have been visualized by DAPI staining (blue).