

Datasheet for ABIN1742210
anti-RAB3A antibody (AA 154-227)

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Overview

Quantity:	50 µg
Target:	RAB3A
Binding Specificity:	AA 154-227
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant human Rab 3c (aa 154-227).
Specificity:	Specific for all four Rab 3 isoforms a, b, c, d.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Target Details

Target:	RAB3A
Alternative Name:	Rab 3 (RAB3A Products)
Pathways:	Synaptic Membrane , Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	WB: 1 : 1000 (AP staining)
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Application Details

IP: not tested yet
ICC: 1 : 1000
IHC: 1 : 200 up to 1 : 500

Comment: This antibody has been affinity purified with the complete antigen (aa 154 - 227) and recognizes all isoforms, due to the homology of Rab 3 proteins.

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.

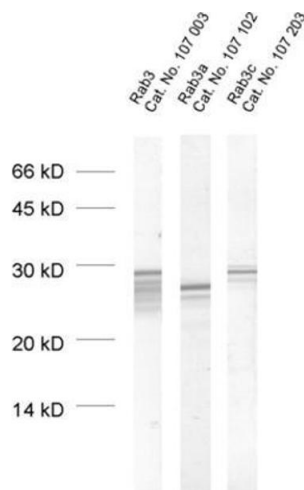
Storage: -20 °C

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

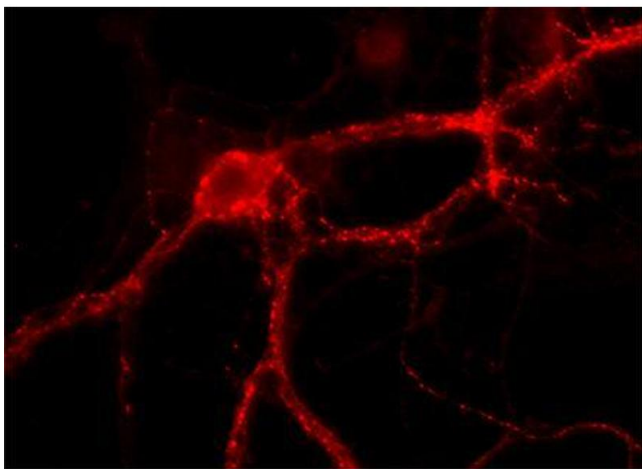
Product cited in: Schildknecht, Karreman, Pörtl, Efrémova, Kullmann, Gutbier, Krug, Scholz, Gerding, Leist: "Generation of genetically-modified human differentiated cells for toxicological tests and the study of neurodegenerative diseases." in: **ALTEX**, Vol. 30, Issue 4, pp. 427-44, (2013) ([PubMed](#)).

Tong, Wong, Guttman, Ang, Forno, Shimadzu, Rajput, Muentner, Kish, Hornykiewicz, Furukawa: "Brain alpha-synuclein accumulation in multiple system atrophy, Parkinson's disease and progressive supranuclear palsy: a comparative investigation." in: **Brain : a journal of neurology**, Vol. 133, Issue Pt 1, pp. 172-88, (2010) ([PubMed](#)).



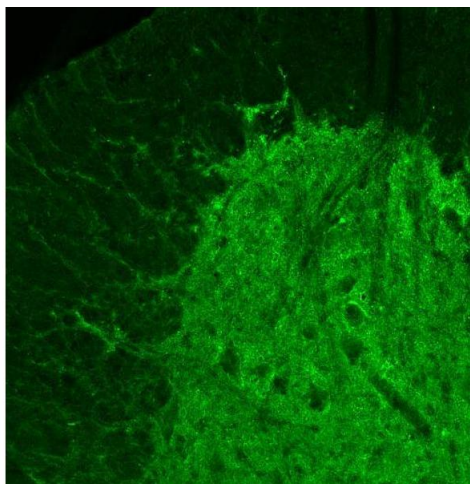
Western Blotting

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



Immunocytochemistry

Image 2. Immunocytochemistry on cultured hippocampus neurons (dilution 1 : 1000). Immunoreactivity was revealed with a fluorochromated secondary antibody.



Immunohistochemistry

Image 3. Indirect immunolabeling of PFA fixed mouse spinal cord vibratome section (dilution 1 : 300)