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Datasheet for ABIN1742267 anti-Complexin 4 antibody

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Overview

Quantity:	100 µg
Target:	Complexin 4 (CPLX4)
Reactivity:	Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

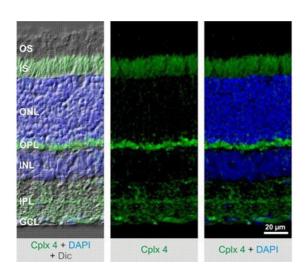
Immunogen:	Recombinant full length protein of mouse complexin 4.
Clone:	171H8
Isotype:	lgG1
Specificity:	Specific for complexin 4
Cross-Reactivity (Details):	no cross reaction to other complexins.
Purification:	purified IgG

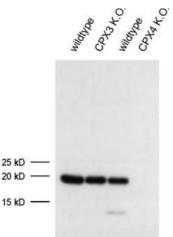
Target Details

Target:	Complexin 4 (CPLX4)
Alternative Name:	Complexin 4 (CPLX4 Products)
Background:	Synonyms: CPX 4

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Application Details	
Application Notes:	WB: 1 : 1000 (ECL detection)
	IP: not tested yet
	ICC: not tested yet
	IHC: 1 : 1000 up to 1 : 2000
	IHC-P: 1 : 200
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	For reconstitution add 100 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:	Do not store diluted antibody solutions unless you add detergent or carrier proteins such as
	goat serum, BSA or others. IgG sticks to glass and plastic. Any IgG solution below 0.1 mg/mL
	protein will quickly adsorb and denature and thus loose activity! Repetitive freeze-thawing of
	dilute purified IgG is almost certain to lead to substantial losses.
Storage:	-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:	Bozdagi, Sakurai, Dorr, Pilorge, Takahashi, Buxbaum: "Haploinsufficiency of Cyfip1 produces
	fragile X-like phenotypes in mice." in: PLoS ONE , Vol. 7, Issue 8, pp. e42422, (2012) (PubMed).
	Steffen, Faix, Resch, Linkner, Wehland, Small, Rottner, Stradal: "Filopodia formation in the
	absence of functional WAVE- and Arp2/3-complexes." in: Molecular biology of the cell, Vol. 17,
	Issue 6, pp. 2581-91, (2006) (PubMed).



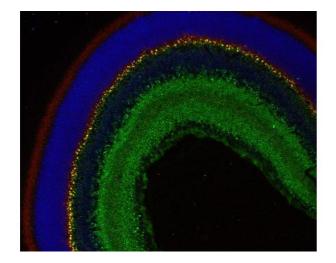


Immunohistochemistry

Image 1. Indirect immunostaining of mouse retina (dilution 1 : 2000). Complexin 4 positive structures have been revealed with fluorochromated secondary antibodies. Nuclei have been visualized by DAPI staining.

Western Blotting

Image 2. dilution: 1 : 1000 (ECL), sample: mouse retina extract



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Indirect immunostaining of paraffin embedded mouse retina section with anti-complexin 4 (dilution 1 : 200; red) and rabbit anti-complexin 3 (cat. no. 122 302, dilution 1 : 200; green). Nuclei have been visualized by DAPI staining (blue)

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