

Product Datasheet

Apc4 Antibody NB100-59824

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-59824

Apc4 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

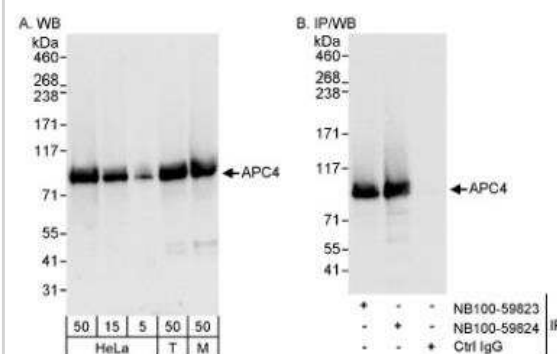
Product Description	
Host	Rabbit
Gene ID	29945
Gene Symbol	ANAPC4
Species	Human, Mouse
Reactivity Notes	Orangutan (100%).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 758 and 808 of human anaphase-promoting complex subunit 4 using the numbering given in entry NP_037499.2 (GenelD 29945).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence Validated for Immunocytochemistry/Immunofluorescence from a verified customer review., Immunoprecipitation 2-5 ug/mg lysate, Knockout Validated Validated for Knockout from a verified customer review.

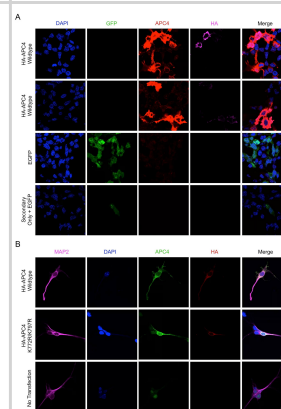


Images

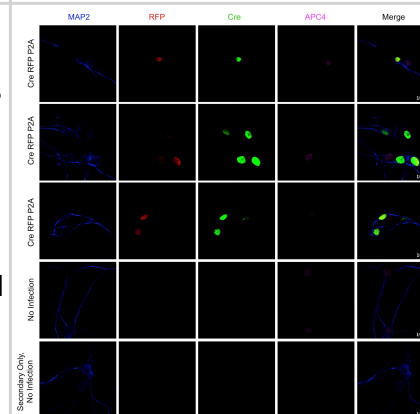
Western Blot: Apc4 Antibody [NB100-59824] - Detection of Human and Mouse APC4 on HeLa whole cell lysates using NB100-59824. APC4 was also immunoprecipitated by rabbit anti-APC4 antibody NB100-59823.



Knockout Validated: Rabbit Polyclonal Apc4 Antibody [NB100-59824] - Imaging overexpressed HA-APC4. Scale bars: 10 µm. (A) HEK293 cells stained with DAPI (blue), GFP (green), HA (magenta), APC4 (red). (B) Wildtype primary mouse hippocampal cultures stained with DAPI (blue), MAP2 (magenta), HA (red), APC4 (green). 1:500 with 36-40hr primary incubation (24 or less does not work for both HEK293 and neurons). The signal that is there is absent in knockout cells. Image from a verified customer review.



Knockout Validated: Rabbit Polyclonal Apc4 Antibody [NB100-59824] - Primary hippocampal neuron cultures were generated from tm1c/tm1c conditional ANAPC4 knockout mice and infected at DIV1 with a lentivirus expressing Cre RFP P2A or a No Infection control. Coverslips were fixed at DIV11 and stained with antibodies against MAP2 (blue), Cre (green), and APC4 (magenta). The RFP expression was also detected (red). The settings on the confocal microscope were determined by using a non-infected control sample that was not stained with the APC4 primary antibody (Secondary Only). Scale bars representing 10 µm are displayed on the merged images (Merge). Image from a verified customer review.



Publications

Jennifer LD, Marilyn T, Nils B Deletion of a core APC/C component reveals APC/C function in regulating neuronal USP1 levels and morphology Front Mol Neurosci. 2024-06-12 [PMID: 38932933] (Knockout Validated, Mouse)

Guan H, Liu L, Cai J et al. Sphingosine kinase 1 is overexpressed and promotes proliferation in human thyroid cancer. Mol Endocrinol 2011-11-01 [PMID: 21940753]



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Products Related to NB100-59824

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90137PEP	Apc4 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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