

Datasheet for ABIN2854938

anti-Prohibitin antibody

8 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	Prohibitin (PHB)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Prohibitin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Prohibitin (prohibitin) Prohibitin antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	Prohibitin (PHB)
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Target Details

Alternative Name:	prohibitin (PHB Products)
Background:	<p>Prohibitin is an evolutionarily conserved gene that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations in PHB have been linked to sporadic breast cancer. Prohibitin is expressed as two transcripts with varying lengths of 3' untranslated region. The longer transcript is present at higher levels in proliferating tissues and cells, suggesting that this longer 3' untranslated region may function as a trans-acting regulatory RNA.</p> <p>Cellular Localization: Mitochondrion inner membrane</p>
Molecular Weight:	30 kDa
Gene ID:	5245
UniProt:	P35232
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: NIH-3T3 , PC-12 , 293T Validation: KO/KD, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.34 mg/mL
Buffer:	1XPBS pH 7, 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

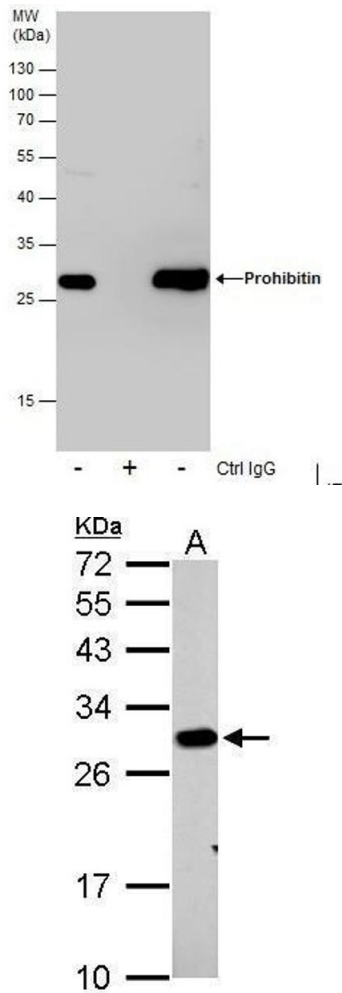
Handling

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Rodriguez-Gil, Hu, Greer: "Dishevelled proteins are associated with olfactory sensory neuron presynaptic terminals." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e56561, (2013) ([PubMed](#)).

Validation report #104437 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)

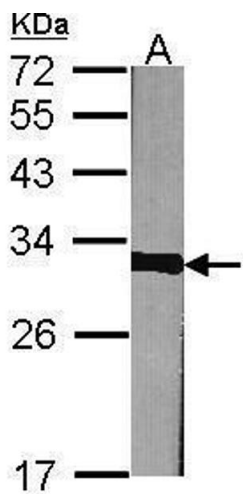


Immunoprecipitation

Image 1. IP Image Immunoprecipitation of Prohibitin protein from 293T whole cell extracts using 5 µg of Prohibitin antibody, Western blot analysis was performed using Prohibitin antibody, EasyBlot anti-Rabbit IgG was used as a secondary reagent.

Western Blotting

Image 2. WB Image Prohibitin antibody detects PHB protein by Western blot analysis. A. 30 µg PC-12 whole cell lysate/extract 12 % SDS-PAGE Prohibitin antibody , dilution: 1:1000



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate)
A:NIH-3T3 12% SDS PAGE antibody diluted at 1:1000

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2854938.