

Datasheet for ABIN2777606
anti-Prohibitin antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	Prohibitin (PHB)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Guinea Pig, Rabbit, Cow, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PHB
Sequence:	AEQQKKAII SAEGDSKAAE LIANSLATAG DGLIELRKLE AAEDIAYQLS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against PHB. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	Prohibitin (PHB)
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Target Details

Alternative Name:	PHB (PHB Products)
Background:	Prohibitin is from 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. Alias Symbols: PHB1 Protein Interaction Partner: FUS, HUWE1, SUMO2, SPRTN, STAU1, MDM2, SUZ12, EED, RNF2, PARP1, NAP1L1, COX6C, LONRF3, FBXO6, ADRB2, HDAC5, RAF1, KRAS, RAPH1, IPO11, SMG5, YWHAZ, YWHAB, VDAC2, RPS4X, RPL7, PRKCD, PLEC, NPM1, LMNA, IGHG1, HSP90AB1, GTF3C1, DBN1, COL9A2, CAPZA1, SLC25A5, Protein Size: 272
Molecular Weight:	30 kDa
Gene ID:	5245
NCBI Accession:	NM_002634 , NP_002625
UniProt:	P35232
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 272 AA
Restrictions:	For Research Use only

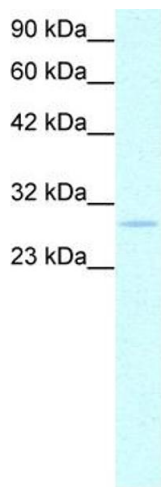
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

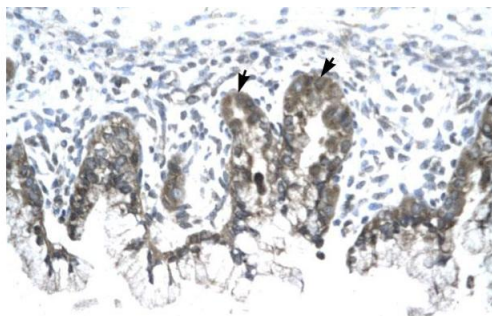
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PHB Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate PHB is supported by BioGPS gene expression data to be expressed in Jurkat



Immunohistochemistry

Image 2. Human Stomach

Rabbit Anti-PHB Antibody
Catalog Number: ARP32807
Lot Number: QC2282
Paraffin Embedded Tissue: Human Stomach
Cells with Positive label: Epithelial cells of fundic gland (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X