

Datasheet for ABIN634116

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
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Prohibitin antibody was raised using the C terminal of PHB corresponding to a region with amino acids AEQQKKAIIISAEGDSKAAELIANSLATAGDGLIELRKLEAAEDIAYQLS
Specificity:	Prohibitin antibody was raised against the C terminal of PHB
Purification:	Affinity purified

Target Details

Target:	Prohibitin (PHB)
Alternative Name:	Prohibitin
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

Target Details

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.

Molecular Weight: 30 kDa (MW of target protein)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#)

Application Details

Application Notes: WB: 1-2 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: Prohibitin Blocking Peptide, , is also available for use as a blocking control in assays to test for specificity of this Prohibitin antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of PHB antibody in PBS

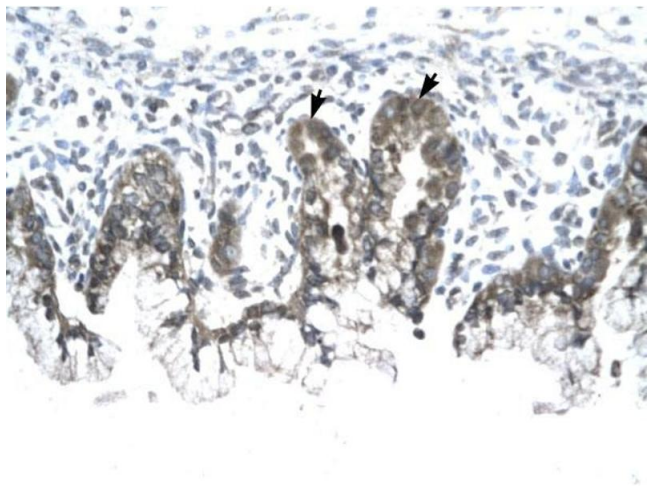
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. Prohibitin antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of fundic gland (arrows) in Human Stomach. Magnification is at 400X



Western Blotting

Image 2. Prohibitin antibody used at 1-2 ug/ml to detect target protein.