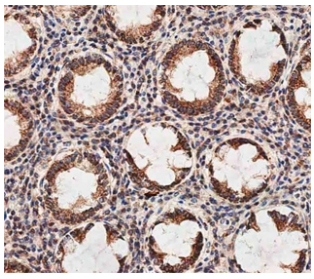
Prohibitin 2 Antibody / PHB2 (F54917)

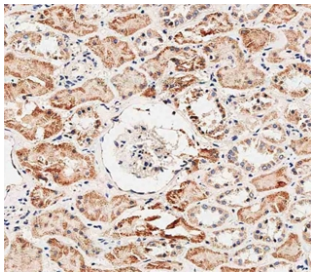
Catalog No.	Formulation	Size
F54917-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54917-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

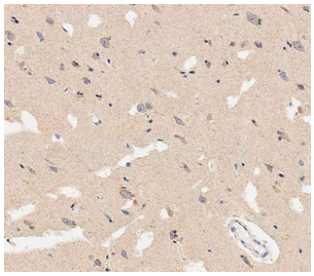
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q99623
Localization	Cytoplasmic, nuclear
Applications	Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500-1:1000
Limitations	This Prohibitin 2 antibody is available for research use only.



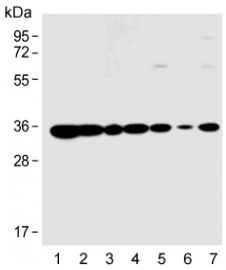
IHC testing of FFPE human colon tissue with Prohibitin 2 antibody. HIER: steam section in pH9 EDTA buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human kidney tissue with Prohibitin 2 antibody. HIER: steam section in pH9 EDTA buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human brain tissue with Prohibitin 2 antibody. HIER: steam section in pH9 EDTA buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) human Raji, 2) human HEK293, 3) human HeLa, 4) human MDA-MB-453, 5) mouse NIH 3T3, 6) mouse brain and 7) rat C6 cell lysate with Prohibitin 2 antibody. Predicted molecular weight ~33 kDa.

Description

PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. It functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. It competes with NCOA1 for modulation of ER transcriptional activity and is probably involved in regulating mitochondrial respiration activity and in aging.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Prohibitin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 225-255 from the human protein was used as the immunogen for the Prohibitin 2 antibody.

Storage

Aliquot the Prohibitin 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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