

MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. CE-050A

Anti-Prohibitin2 (PHB2) antibody

BACKGROUND

Prohibitin2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. This protein functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. It probably involves in regulating mitochondrial respiration activity and in aging.

Product type	Primary antibodies
Host	Rat
Source	Culture supernatant
Form	Liquid
	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05% NaN ₃ .
Volume	100 µl
Concentration	1 mg/ml
Specificity	Prohibitin2
Antigen	Synthetic peptide corresponding to the C-terminal 11 aa (aa 289 - 299) of human Prohibitin2, RGSDSLKGKK.
Clone	7F8B3
Isotype	IgG2a

Application notes WB, ICC, IHC Not tested for other applications.

Recommended dilutions

Western blotting, 1/1,000 to 1/5,000

Immunocytochemistry, 1/100 to 1/500

Immunohistochemistry, 1/100 to 1/500

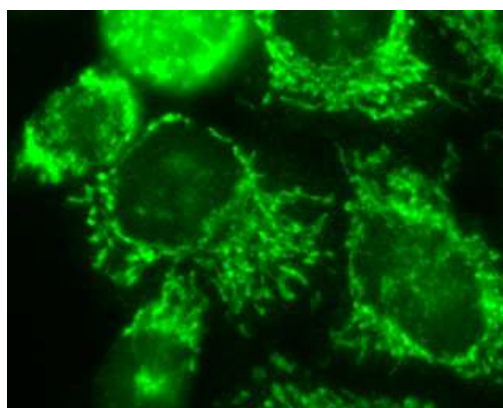


Fig.1 Immunocytochemistry/ Immunofluorescence - Prohibitin2(PHB2) antibody (7F8E3)
HeLa cells

Anti-Prohibitin2 (PHB2) antibody

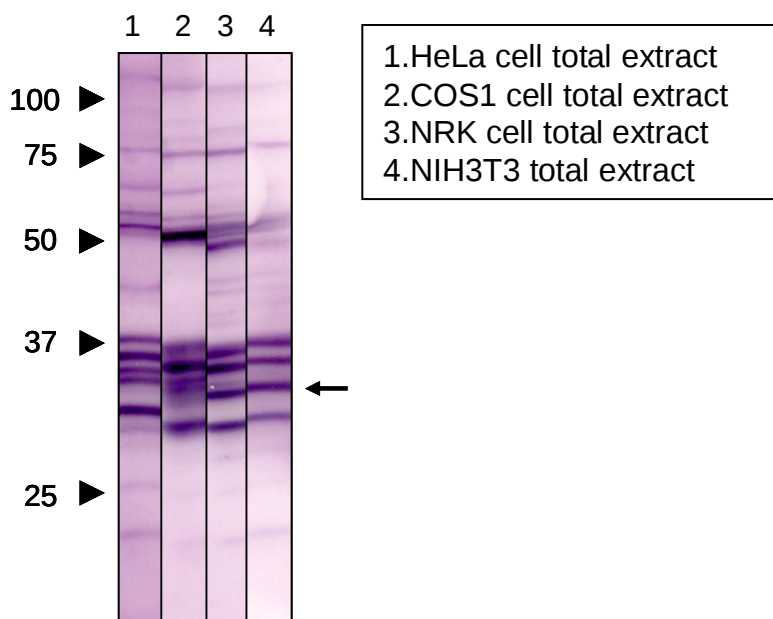


Fig.2 Western blot -
Prohibitin2(PHB2) antibody (7F8E3)

Cross reactivity

Optimal dilutions/concentrations should be determined by the end user.
Human, Monkey, Mouse, Rat Other species have not been tested.

Storage

Store below -20°C (below -70°C for prolonged storage).

References

1) Sun et al., (2011) CaMK IV phosphorylates prohibitin 2 and regulates prohibitin 2-mediated repression of MEF2 transcription. Cell Signal., 23, 1686-1690.

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