

## 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.

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

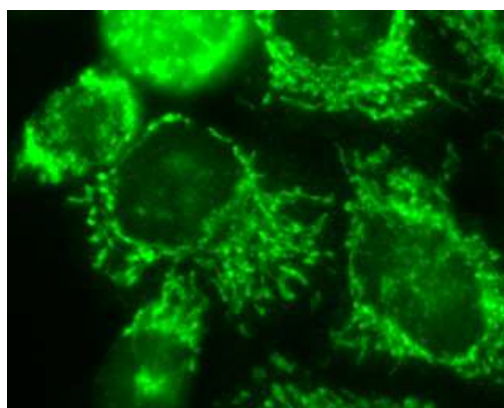


Fig.1 Immunocytochemistry/ Immunofluorescence - Prohibitin2(PHB2) antibody (7F8E3)  
HeLa cells

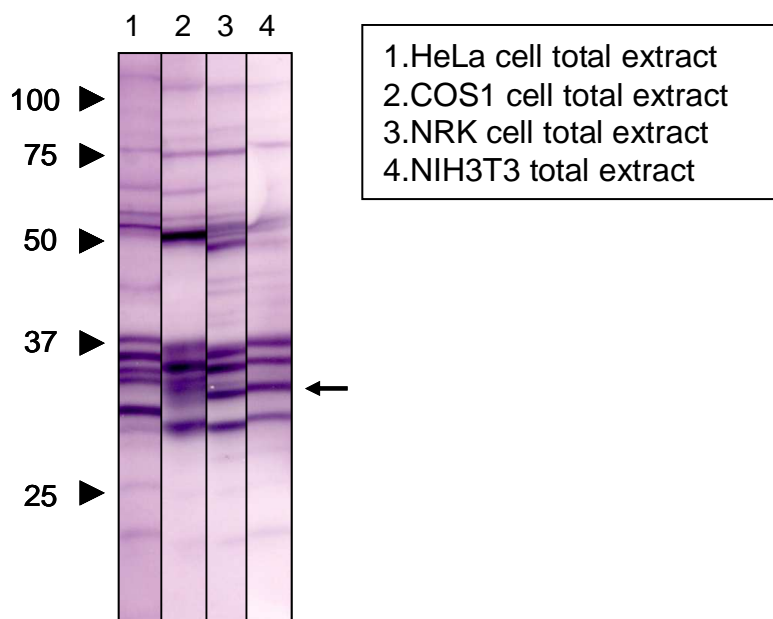


Fig.2 Western blot -  
Prohibitin2(PHB2) antibody (7F8E3)

**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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