

Anti-Prohibitin2 (PHB2) antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
7F8E3	Hu, Mk, Ms, Rat	WB, ICC, IHC	Rat	IgG2a, κ	-20°C

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.

Immunogen Synthetic peptide corresponding to the C-terminal 11 aa (aa 289-299) of human Prohibitin2, RGSDSLIKGKK

Host Rat

Isotype IgG2a, κ

Cross reactivity Human, Monkey, Mouse, Rat
Other species have not been tested.

Specificity Prohibitin2

Application notes Recommended use
WB, ICC, IHC, Not tested for other applications.
Recommended dilutions
Western blotting, 1/1000 to 1/5000
Immunocytochemistry, 1/100 to 1/500
Immunohistochemistry, 1/100 to 1/500
Optional dilutions/concentrations should be determined by the end user.

Source Culture Supernatant

Purification Ion-exchange chromatography

Form Liquid

Presentation Purified monoclonal antibody in PBS,
50% Glycerol, 0.05%w/v ProClin300

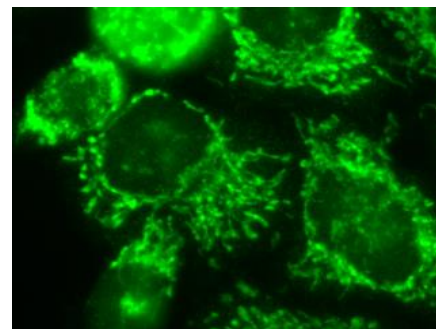
Concentration 1 mg/mL

Volume 100 μ L

Storage Store below -20°C
(below -70°C for prolonged storage)
Aliquot to avoid cycles of freeze/thaw.

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.
2) *TOXICOLOGICAL SCIENCES*, 2011, 119: 61-72.
This antibody is used in ref.2.

Data



HeLa cells

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

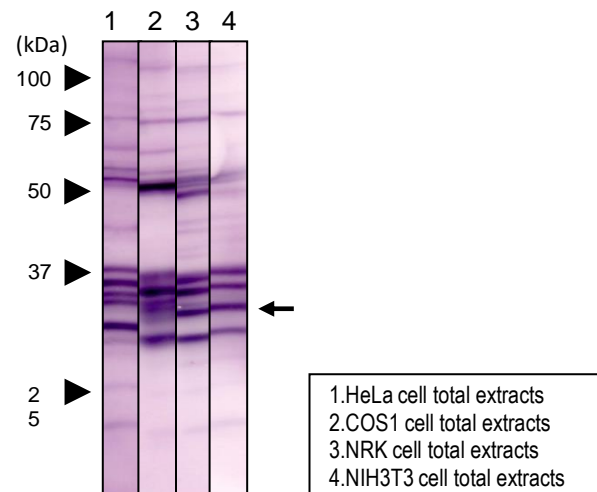


Fig.2 Western blot - Prohibitin2(PHB2) antibody (7F8E3)
1. HeLa cell total extracts, 2. COS1 cell total extracts, 3. NRK cell total extracts, 4. NIH3T3 cell total extracts