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Anti-Prohibitin Rabbit mAb [19A87]

Catalog No.: A52284

Basic Information

Catalog No. (Cat.No.)	A52284
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Prohibitin,PHB,Prohibitin,PHB1,BHS-73

Product Information

Target	Prohibitin
Molecular Weight(Calculated)	30 kDa
Molecular Weight(Observed)	30 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	19A87
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Prohibitin
Gene Name	*PHB*
Domain	NA
Background	PHB (Prohibitin, prohibitin-1) belongs to prohibitin membrane-scaffold family governing mitochondrial homeostasis, transcriptional regulation and cell-cycle repression. PHB accumulates on inner mitochondrial membrane and forms hetero-oligomeric assemblies with PHB2. The complex sustains inner-membrane architecture, assists respiratory-complex biogenesis and preserves mitochondrial morphology. A subset of PHB translocates into nucleus to modulate transcription-factor activity and repress proliferation. PHB participates in senescence and apoptosis; dysregulated PHB shows context-dependent tumor-suppressive or oncogenic roles dictated by subcellular localization. It also functions as cell-surface receptor for extracellular cues.