

ARG62603 anti-Prohibitin antibody [II-14-10]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [II-14-10] recognizes Prohibitin
Tested Reactivity	Hu, Ms, Rat, Pig
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	II-14-10
Isotype	IgG1
Target Name	Prohibitin
Species	Rat
Immunogen	BALB/C mice were injected with purified Recombinant Rat Prohibitin protein.
Conjugation	Un-conjugated
Alternate Names	HEL-215; PHB1; Prohibitin; HEL-S-54e

Application Instructions

Application Note	WB: 1/100 FACS: 1µg for 106 cells IHC-P: 1/50 - 1/100 * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Buffer	PBS, 1% BSA and 0.05% Sodium azide
Preservative	0.05% Sodium azide
Stabilizer	1% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	Phb
Gene Full Name	prohibitin
Background	This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Function	Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging. [UniProt]
Highlight	Related products: Prohibitin antibodies: Anti-Mouse IgG secondary antibodies: Related poster download: The Structure & Functions of Mitochondria.pdf
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Controls and Markers antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	30 kDa