

ARG55672
anti-Prohibitin antibody [1215CT487.109.106]

Package: 100 µl

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Prohibitin
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1215CT487.109.106
Isotype	IgG2b, kappa
Target Name	Prohibitin
Species	Human
Immunogen	Recombinant protein corresponding to aa. 1-205 of Human Prohibitin.
Conjugation	Un-conjugated
Alternate Names	HEL-215; PHB1; Prohibitin; HEL-S-54e

Application Instructions

Application table	Application	Dilution
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

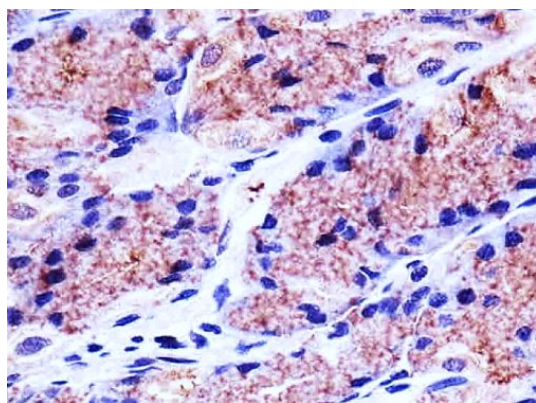
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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

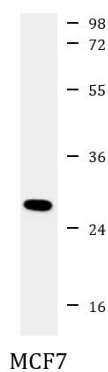
Gene Symbol	PHB
Gene Full Name	prohibitin
Background	This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting 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]
Calculated Mw	30 kDa
Cellular Localization	Mitochondrion inner membrane.

Images



ARG55672 anti-Prohibitin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach tissue stained with ARG55672 anti-Prohibitin antibody at 1:25 dilution.



ARG55672 anti-Prohibitin antibody WB image

Western blot: 35 µg of MCF7 cell lysate stained with ARG55672 anti-Prohibitin antibody at 1:1000 dilution.