

ARG55645 anti-Prohibitin phospho (Tyr259) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Prohibitin phospho (Tyr259)
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Specificity	The antibody detects endogenous level of Prohibitin only when phosphorylated at tyrosine 259.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Prohibitin
Species	Human
Immunogen	KLH-conjugated phosphospecific peptide around Tyr259 (I-T-Y(p)-L-P) derived from Human Prohibitin.
Conjugation	Un-conjugated
Alternate Names	HEL-215; PHB1; Prohibitin; HEL-S-54e

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>WB</td><td>1:500 - 1:1000</td></tr></tbody></table>	Application	Dilution	WB	1:500 - 1:1000
Application	Dilution				
WB	1:500 - 1:1000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

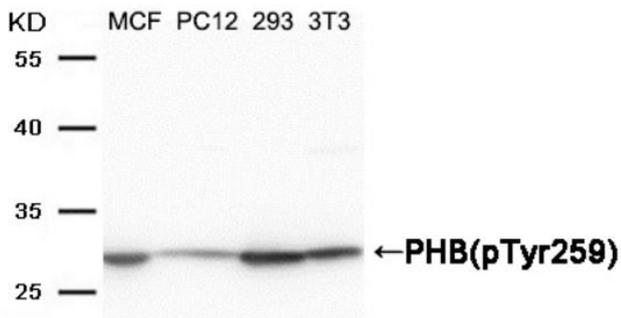
Properties

Form	Liquid
Purification	Affinity purification with phospho-specific peptide and the non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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

Images



ARG55645 anti-Prohibitin phospho (Tyr259) antibody WB image

Western blot: MCF, PC12, 293 and 3T3 cell lysates stained with ARG55645 anti-Prohibitin phospho (Tyr259) antibody.