

Recombinant Prohibitin Monoclonal Antibody

catalog number: E-AB-81601

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

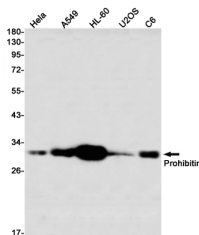
Reactivity	Human;Rat
Immunogen	A synthetic peptide of human Prohibitin
Host	Rabbit
Isotype	IgG
Clone	R07-2G1
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications

Recommended Dilution

WB	1:500-1:1000
IHC	1:50-1:100

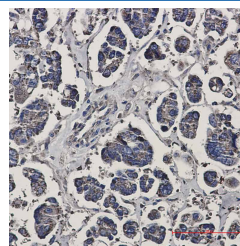
Data



Western blot detection of Prohibitin in HeLa, A549, HL-60, U2OS, C6 using Prohibitin Rabbit mAb (1:1000 diluted)

Observed-MW:30 kDa

Calculated-MW:30 kDa



Immunohistochemistry of Prohibitin in paraffin-embedded Human Cholangiocarcinoma using Prohibitin Rabbit mAb at dilution 1:50

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Prohibitin, also known as PHB, a member of the Band-7 family of proteins, is widely distributed in bacteria, plants, yeast, protozoa and mammals and is important in cell proliferation, differentiation and apoptosis. This protein localizes to the inner membrane of mitochondria, where it acts as a chaperone protein, and is also found in the nucleus, where it negatively regulates transcription. Recent study confirmed that the expression and distribution of PHB, which is a nuclear matrix protein, affect the apoptosis of HaCaT cells and its co-localization with specific gene products connected with cell apoptosis.

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