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BLMH Rabbit pAb

Catalog # AP99670

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q13867
Other Accession	Q13867
Reactivity	Rat, Mouse
Predicted	Pig, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52562
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BLMH
Epitope Specificity	308-400/455
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase C1 family.
SUBUNIT	Homohexamer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Bleomycin hydrolase (BMH) is a cytoplasmic cysteine peptidase that is highly conserved through evolution; however, the only known activity of the enzyme is metabolic inactivation of the glycopeptide bleomycin (BLM), an essential component of combination chemotherapy regimens for cancer. The protein contains the signature active site residues of the cysteine protease papain superfamily. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	642
Other Names	BH; BMH; BLMH_HUMAN; BLMH; BLM hydrolase; 3.4.22.40; BLMH_MOUSE; BLMH_RABIT; BLMH_RAT; bleomycin hydrolase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BLMH

Function	The normal physiological role of BLM hydrolase is unknown, but it catalyzes the inactivation of the antitumor drug BLM (a glycopeptide) by hydrolyzing the carboxamide bond of its B- aminoalaninamide moiety thus protecting normal and malignant cells from BLM toxicity.
Cellular Location	Cytoplasm. Cytoplasmic granule. Note=Co-localizes with NUDT12 in the cytoplasmic granules.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.