

## BLMH Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20513c

### Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q13867</a>
<b>Other Accession</b>	<a href="#">P70645</a> , <a href="#">P13019</a> , <a href="#">Q8R016</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Rabbit
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	52562
<b>Antigen Region</b>	212-242

### Additional Information

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<b>Gene ID</b>	642
<b>Other Names</b>	Bleomycin hydrolase, BH, BLM hydrolase, BMH, BLMH
<b>Target/Specificity</b>	This BLMH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 212-242 amino acids from the Central region of human BLMH.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	BLMH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	BLMH
<b>Function</b>	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.

## Background

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 (By similarity).

## References

Barrow I.K.-P., et al. Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.

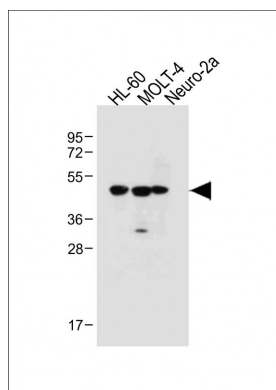
Ferrando A.A., et al. Cancer Res. 56:1746-1750(1996).

Broemme D., et al. Biochemistry 35:6706-6714(1996).

Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).

## Images



All lanes : Anti-BLMH Antibody (Center) at 1:1000 dilution  
Lane 1: HL-60 whole cell lysate Lane 2: MOLT-4 whole cell lysate Lane 3: Neuro-2a whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

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