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# BLMH Antibody (Center)
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AW5205**

## Specification

### BLMH Antibody (Center) - Product Information

| | |
|---|---|
| Application | **WB, IF,E** |
| Primary Accession | Q13867 |
| Other Accession | P70645, P13019, Q8R016 |
| Reactivity | **Human, Mouse** |
| Predicted | **Rabbit, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **H=53;M=53;Rat=52 KDa** |
| Isotype | **Rabbit IgG** |
| Antigen Source | **Human** |

### BLMH Antibody (Center) - Additional Information

**Gene ID** 642

**Antigen Region**
212-242

**Other Names**
BLMH;Bleomycin hydrolase

**Dilution**
WB~~1:1000
IF~~1:25

**Target/Specificity**
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.

**Format**
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.

**Storage**
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.

**Precautions**
BLMH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### BLMH Antibody (Center) - Protein Information

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**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.

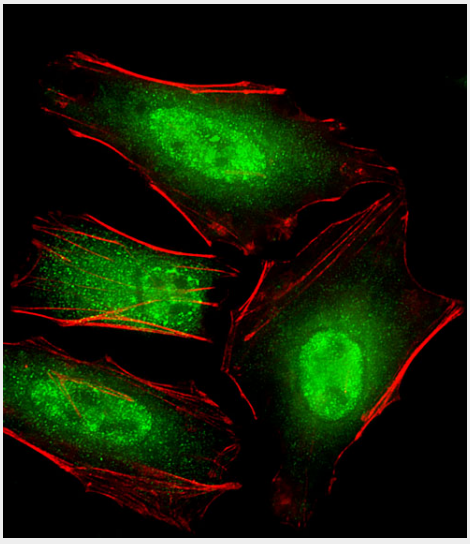
**Cellular Location**
Cytoplasm. Cytoplasmic granule. Note=Co-localizes with NUDT12 in the cytoplasmic granules.

## BLMH Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## BLMH Antibody (Center) - Images



Fluorescent image of Hela cells stained with BLMH Antibody (Center)(Cat#AW5205). AW5205 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

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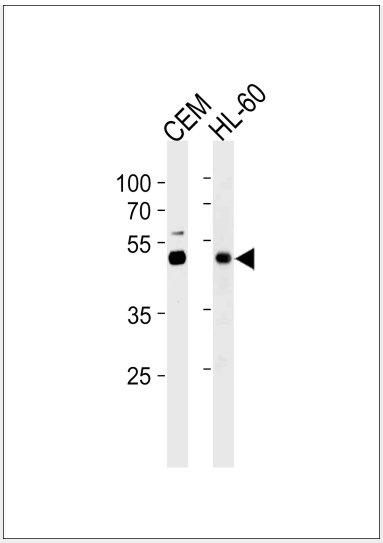
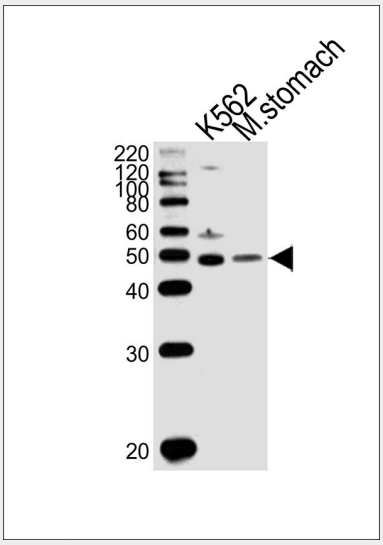



BLMH Antibody (Center) (Cat. #AW5205) western blot analysis in CEM,HL-60 cell line lysates (35ug/lane).This demonstrates the BLMH antibody detected the BLMH protein (arrow).




Western blot analysis of lysates from K562 cell line,mouse stomach tissue lysate(from left to right), using BLMH Antibody (Center)(Cat. #AW5205). AW5205 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

## BLMH Antibody (Center) - 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).

## BLMH Antibody (Center) - 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).