

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

**Specification**

---

**BLMH Antibody (Center) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">Q13867</a>
Other Accession	<a href="#">P70645</a> , <a href="#">P13019</a> , <a href="#">Q8R016</a>
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**  
IF~~1:25  
WB~~1:1000

**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**

**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**

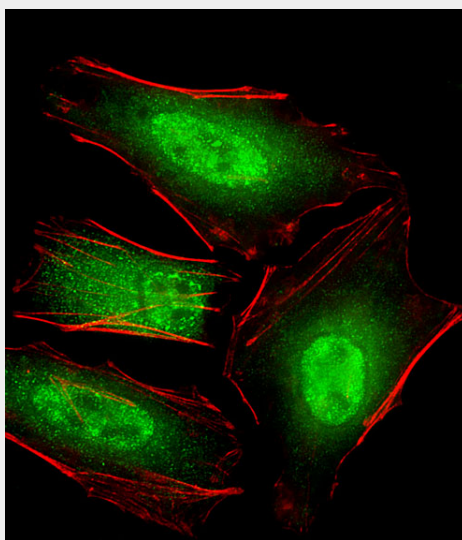
Cytoplasm. Cytoplasmic granule. Note=Co-localizes with NUDT12 in the cytoplasmic granules.

**BLMH Antibody (Center) - Protocols**

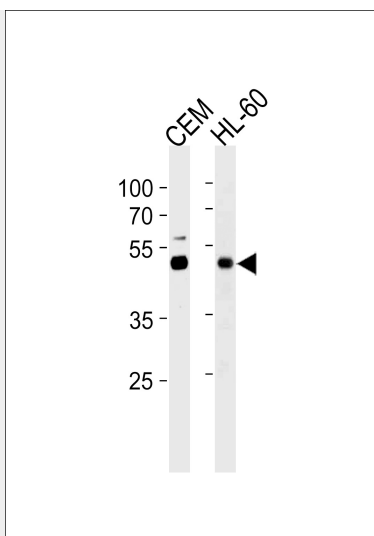
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

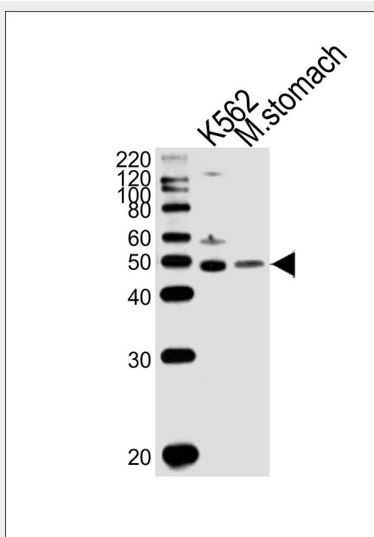
**BLMH Antibody (Center) - Images**



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).



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).