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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.

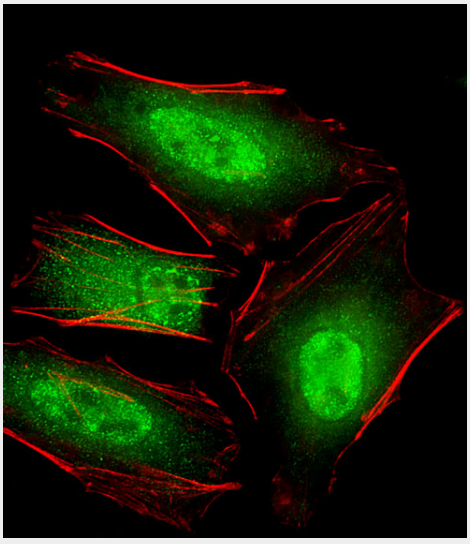
Cellular Location
Cytoplasm. Cytoplasmic granule. Note=Co-localizes with NUDT12 in the cytoplasmic granules.

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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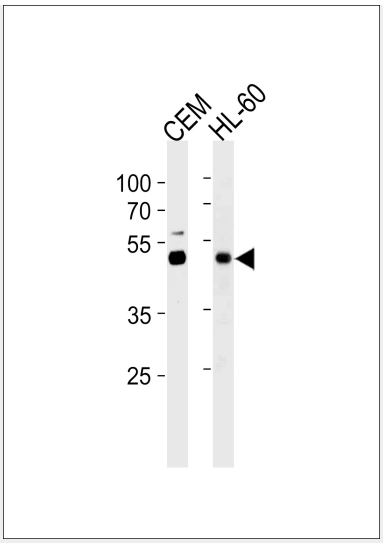
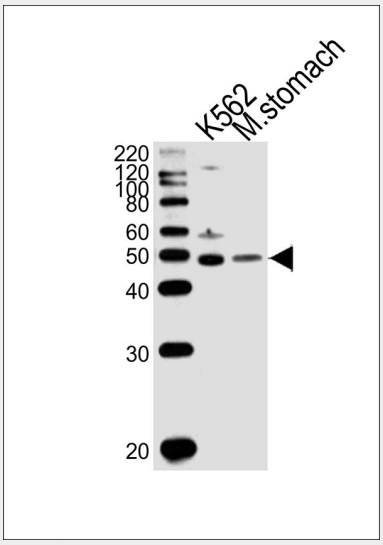


BLMH Antibody (Center) (Cat. #AW5205) western blot analysis in CEM,HL-60 cell line lysates (35ug/lane).This demonstrates the BLMH antibody detected the BLMH protein (arrow).



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).