

BLMH Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20513c**Specification**

BLMH Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q13867
Other Accession	P70645 , P13019 , Q8R016
Reactivity	Human, Mouse, Rat
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	212-242

BLMH Antibody (Center) - Additional Information**Gene ID** 642**Other Names**

Bleomycin hydrolase, BH, BLM hydrolase, BMH, BLMH

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.

Dilution

IHC-P~~1:25

WB~~1:1000

E~~Use at an assay dependent concentration.

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

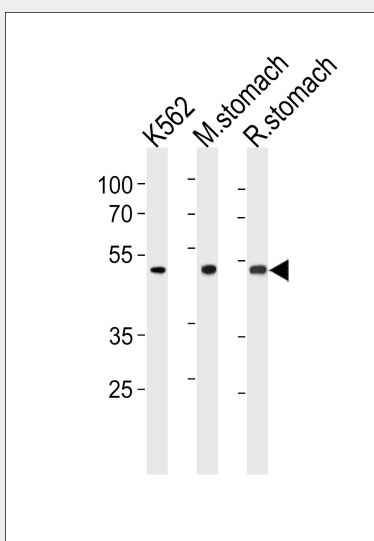
Cytoplasm. Cytoplasmic granule. Note=Co-localizes with NUDT12 in the cytoplasmic granules.

BLMH Antibody (Center) - Protocols

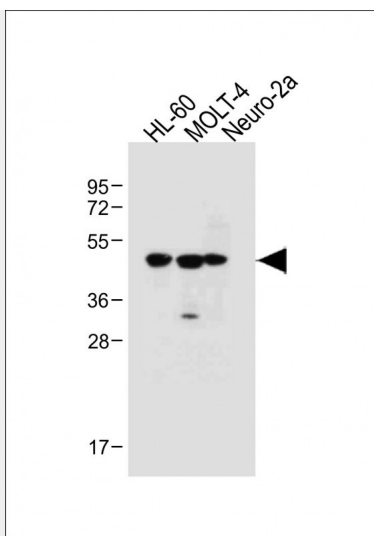
Provided below are standard protocols that you may find useful for product applications.

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

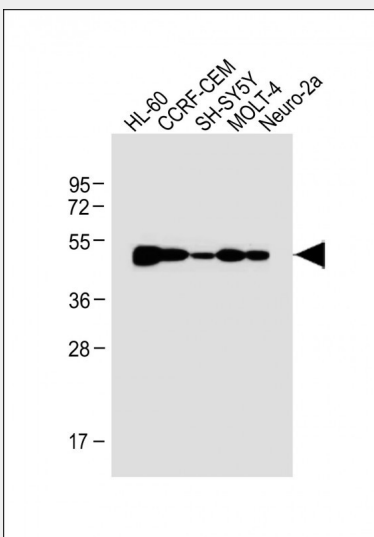
BLMH Antibody (Center) - Images



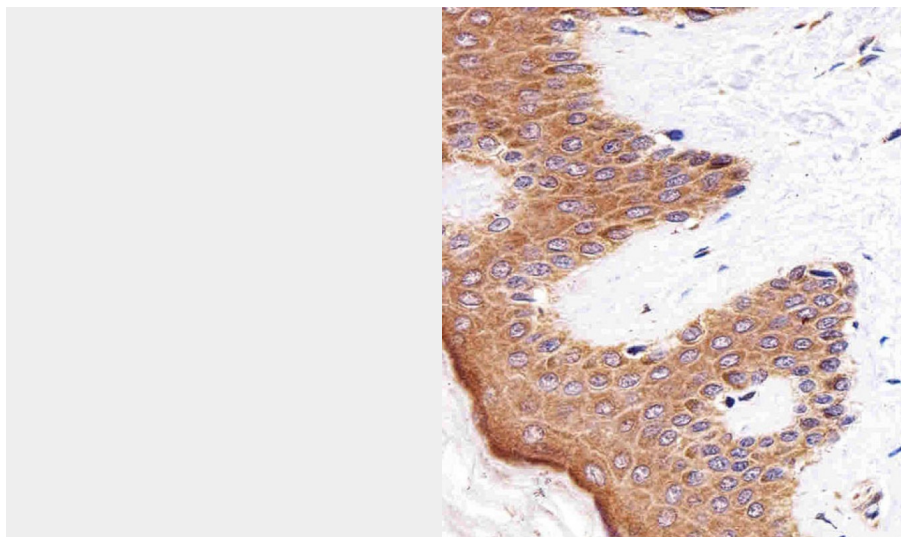
BLMH Antibody (Center) (Cat. #AP20513c) western blot analysis in K562 cell line, mouse stomach and rat stomach tissue lysates (35ug/lane). This demonstrates the BLMH antibody detected the BLMH protein (arrow).



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% NFDm/TBST.



All lanes : Anti-BLMH Antibody (Center) at 1:1000 dilution Lane 1: HL-60 whole cell lysate Lane 2: CCRF-CEM whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: MOLT-4 whole cell lysate Lane 5: 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% NFDm/TBST.



Immunohistochemical analysis of paraffin-embedded H. skin section using BLMH Antibody (Center)(Cat#AP20513C). AP20513C was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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).
Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).