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

Specification

BLMH Antibody (Center) - Product Information

Application	**WB, IHC-P,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
WB~~1:1000
IHC-P~~1:25

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.

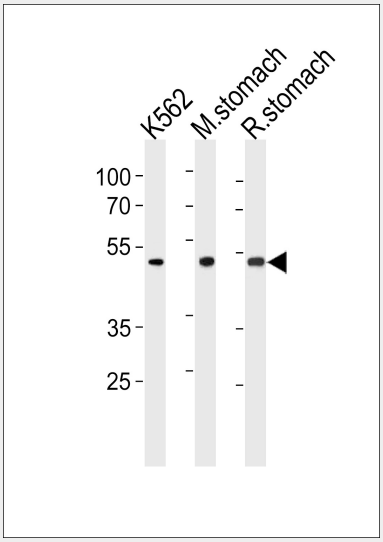
Cellular Location
Cytoplasm. Cytoplasmic granule. Note=Co-localizes with NUDT12 in the cytoplasmic granules.

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 Cytomety
- 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).

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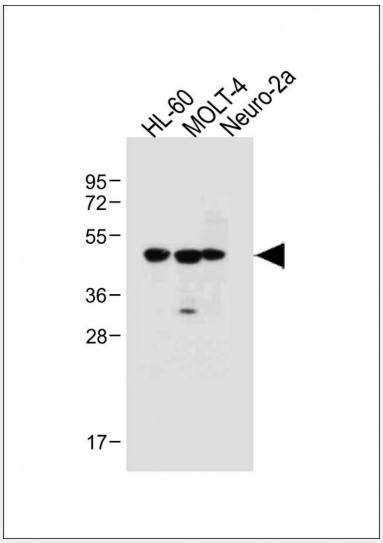
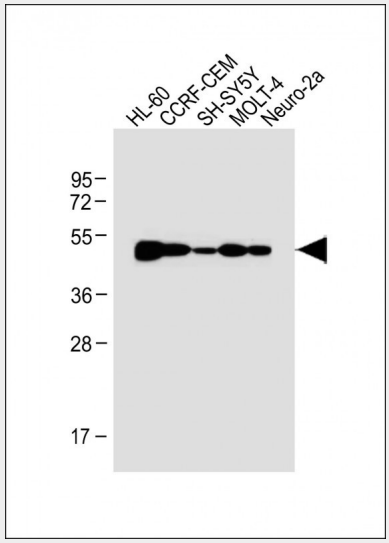


All lanes : Anti-BLMH Antibody (Center) at 1:1000 dilution Lane 1: HL-60 whole cell lysate Lane 2: MOLT-4 whole cell lysate Lane 3: Neuro-2a whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53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

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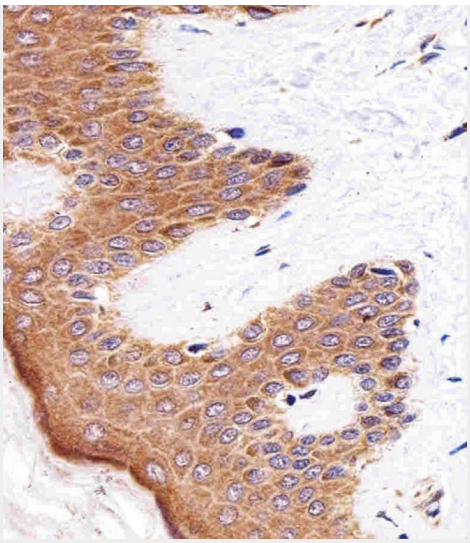

Immunohistochemical analysis of paraffin-embedded H. skin section using BLMH Antibody (Center)(Cat#AP20513C). AP20513C was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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