ARG59580
anti-BLMH antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BLMH
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BLMH
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-300 of Human BLMH (NP_000377.1).
Conjugation	Un-conjugated
Alternate Names	BLM hydrolase; BMH; BH; EC 3.4.22.40; Bleomycin hydrolase

Application Instructions

Application table

Application	Dilution
ICC/IF	1:20 - 1:50
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat thymus and H460
Observed Size	50 kDa

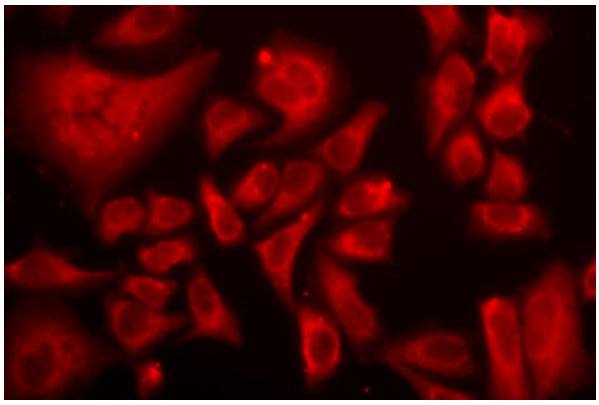
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

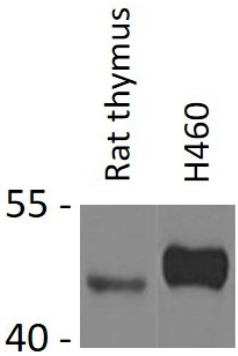
Gene Symbol	BLMH
Gene Full Name	bleomycin hydrolase
Background	Bleomycin hydrolase (BMH) is a cytoplasmic cysteine peptidase that is highly conserved through evolution; however, the only known activity of the enzyme is metabolic inactivation of the glycopeptide bleomycin (BLM), an essential component of combination chemotherapy regimens for cancer. The protein contains the signature active site residues of the cysteine protease papain superfamily. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	53 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG59580 anti-BLMH antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG59580 anti-BLMH antibody.



ARG59580 anti-BLMH antibody WB image

Western blot: 25 µg of Rat thymus and H460 cell lysates stained with ARG59580 anti-BLMH antibody at 1:1000 dilution.