

Product datasheet for **TA335147**

BLMH Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-BLMH antibody: synthetic peptide directed towards the middle region of human BLMH. Synthetic peptide located within the following region: EYLSNMVGGRRKTLYNNQPIDFLKMKMVAASIKDGEAVWFGCDVGKHFNSKL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52 kDa
Gene Name:	bleomycin hydrolase
Database Link:	NP_000377 Entrez Gene 642 Human Q13867



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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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms: BH; BMH

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Bovine: 93%; Zebrafish: 85%

Protein Families: Druggable Genome, Protease

Product images:



WB Suggested Anti-BLMH Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: 721_B cell lysate BLMH is supported by BioGPS gene expression data to be expressed in 721_B