

## BLMH rabbit pAb

<b>Catalog No :</b>	YT7665
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	BLMH
<b>Gene Name :</b>	BLMH
<b>Protein Name :</b>	BLMH
<b>Human Gene Id :</b>	642
<b>Human Swiss Prot No :</b>	Q13867
<b>Mouse Gene Id :</b>	104184
<b>Mouse Swiss Prot No :</b>	Q8R016
<b>Rat Swiss Prot No :</b>	P70645
<b>Immunogen :</b>	Synthesized peptide derived from human BLMH AA range: 170-220
<b>Specificity :</b>	This antibody detects endogenous levels of BLMH at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

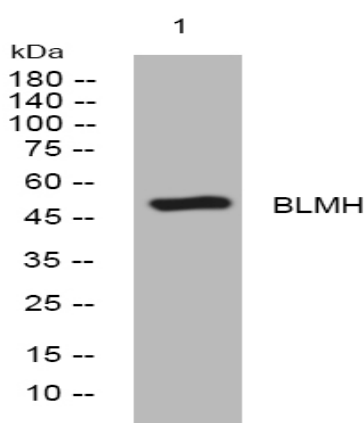
**Molecularweight :** 50kD

**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 :** catalytic activity:Inactivates bleomycin B2 (a cytotoxic glycometallopeptide) by hydrolysis of a carboxamide bond of beta-aminoalanine, but also shows general aminopeptidase activity. The specificity varies somewhat with source, but amino acid arylamides of Met, Leu and Ala are preferred.,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.,similarity:Belongs to the peptidase C1 family.,subunit:Homohexamer.,

**Subcellular Location :** Cytoplasm . Cytoplasmic granule . Co-localizes with NUDT12 in the cytoplasmic granules. .

## Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night