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Anti-BMS1 Antibody

Catalog # AP51845

Product Information

Application	WB
Primary Accession	Q14692
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	145807

Additional Information

Gene ID	9790
Other Names	BMS1L; KIAA0187; Ribosome biogenesis protein BMS1 homolog; Ribosome assembly protein BMS1 homolog
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BMS1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

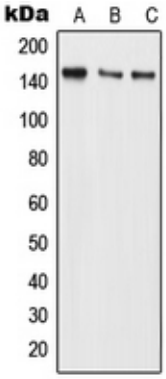
Protein Information

Name	BMS1 (HGNC:23505)
Synonyms	BMS1L, KIAA0187
Function	GTPase required for the synthesis of 40S ribosomal subunits and for processing of pre-ribosomal RNA (pre-rRNA) at sites A0, A1, and A2. Controls access of pre-rRNA intermediates to RCL1 during ribosome biogenesis by binding RCL1 in a GTP-dependent manner, and delivering it to pre-ribosomes. GTP-binding and/or GTP hydrolysis may induce conformational rearrangements within the BMS1-RCL1 complex allowing the interaction of RCL1 with its RNA substrate. Required for RCL1 import into the nucleus.
Cellular Location	Nucleus, nucleolus

References

Nagase T.,et al.DNA Res. 3:17-24(1996).
Deloukas P.,et al.Nature 429:375-381(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Olsen J.V.,et al.Cell 127:635-648(2006).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

Images



Western blot analysis of BMS1 expression in MCF7 (A), Raw264.7 (B), H9C2 (C) whole cell lysates. (Predicted band size: 145 kD; Observed band size: 146 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.