

BMS1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51845**Specification**

BMS1 Antibody - Product Information

Application	WB, E
Primary Accession	Q14692
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	146 KDa

BMS1 Antibody - Additional Information**Gene ID** 9790**Other Names**

Ribosome biogenesis protein BMS1 homolog, Ribosome assembly protein BMS1 homolog, BMS1, BMS1L, KIAA0187

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

BMS1 Antibody - 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

BMS1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BMS1 Antibody - Images

BMS1 Antibody - Background

May act as a molecular switch during maturation of the 40S ribosomal subunit in the nucleolus (By similarity).

BMS1 Antibody - 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).