



POLYCLONAL ANTIBODY

For research use only, Not for diagnostic use

Catalog No. BAM-62-351-EX

Anti- Gtr2 (*S. cerevisiae*)**BACKGROUND**

Gtr2 (341 amino acids, 38.6 kDa) is the yeast homologue of RagC identified in yeast and classified as a Ras-like small GTPase subfamily. In cytoplasm, GTP-bound Gtr2 forms a heterodimer with Gtr1, which is involved in autophagy through mTOR signal pathway.

Product type	Primary antibodies
Immunogen	Purified Full-length yeast Gtr2 protein fused with GST
Raised in	-
Myeloma	-
Clone number	-
Isotype	-
Host	Rabbit
Source	Rabbit serum
Purification	-
Form	Liquid : Rabbit antiserum added with 0.05% sodium azide.
Storage buffer	-
Concentration	-
Volume	100 uL
Label	Unlabeled
Specificity	<i>S.cerevisiae</i> Gtr2 protein
Cross reactivity	-
Storage	Store at 4°C for short-term storage and -20°C for prolonged storage Aliquot to avoid cycles of freeze / thaw.
Other	UniProtKB/Swiss-Prot: P53290 (GTR2_YEAST)

Application notes • **Western blotting** : 1/500 – 1/2000

Recommended dilutions

Other applications have not been tested.

Optimal dilutions/concentrations should be determined by the end user.

References

- 1) Sekiguchi T et al " A novel human nucleolar protein Nop132, binds to the G proteins, RRAG A/C/D" J. Biol. Chem. 279,: 8343-8350 (2004) PMID: [14660641](#)
- 2) Yasemin S et al "The Rag GTPases bind raptor and mediate amino acid signaling to mTORC1" Science. 320(5882): 1496-1501 (2008) PMID: [18497260](#)

ANTIBODY CHARACTERIZATION

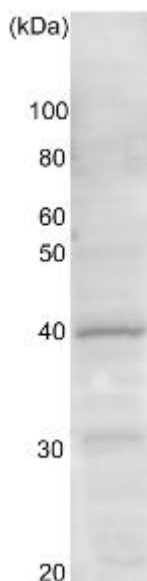


Fig.1 Western blot analysis of Gtr2 protein in the whole cell extract of *S.cerevisiae* (10 m g).
Anti-Gtr2 antibody was used at 1/ 1,000 dilution.

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