

**Rab17^{GST-His}**

Ras-associated, small GTP-binding protein
mouse, recombinant, *E. coli*

Cat. No.	Amount
PR-118	50 µg

For general laboratory use.

Shipping: shipped on dry ice

Storage Conditions: store at -80 °C

Additional Storage Conditions: avoid freeze/thaw cycles

Shelf Life: 12 months

Molecular Weight: 52 kDa

Accession number: NM_008998

Purity: > 90 % (SDS-PAGE)

Form: liquid (Supplied in 25 mM HEPES pH 7.2, 40 mM NaCl, 2 mM MgCl₂, 10 µM GDP and 3 mM DTE)

Description:

Rab17 is a small GTPase that belongs to the Ras superfamily. Rab proteins play an important role in various aspects of membrane traffic, including cargo selection, vesicle budding, vesicle motility, tethering, docking, and fusion. The small GTPase Rab17 is restricted to epithelial cells and its expression is induced during cell polarization. In addition to the network of ubiquitous Rab GTPases, a set of epithelia-specific Rab proteins, including Rab17, Rab18, Rab20, and Rab25, facilitates endocytic and transcytotic transport to the apical and basolateral plasma membranes. The GST-Tag facilitates the protein's application in typical GST pull-down assays.

Activity:

100 pmol of protein can bind > 80 pmol of GDP.

Selected References:

Stenmark *et al.* (2001) The Rab GTPase family. *Genome Biol.* **2**:30071.

Somsel *et al.* (2000) Rab GTPases coordinate endocytosis. *J. Cell Sci.* **113**:183.

Hunziker *et al.* (1998) Rab17 Localizes to Recycling Endosomes and Regulates Receptor-mediated Transcytosis in Epithelial Cells. *J. Biol. Chem.* **273**:15734.