

# RBP1 rabbit pAb

Cat No.:ES11888

For research use only

## Overview

|                          |  |
|--------------------------|--|
| Product Name             | RBP1 rabbit pAb  |
| Host species             | Rabbit   |
| Applications             | WB;ELISA   |
| Species Cross-Reactivity | Human;Mouse;Rat  |
| Recommended dilutions    | WB 1:500-2000 ELISA 1:5000-20000   |
| Immunogen                | Synthesized peptide derived from part region of human protein  |
| Specificity              | RBP1 Polyclonal Antibody detects endogenous levels of protein.   |
| Formulation              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Storage                  | Store at -20°C . Avoid repeated freeze-thaw cycles.  |
| Protein Name             | RalA-binding protein 1 (RalBP1) (76 kDa Ral-interacting protein) (Dinitrophenyl S-glutathione ATPase) (DNP-SG ATPase) (Ral-interacting protein 1)  |
| Gene Name                | RALBP1 RLIP1 RLIP76  |
| Cellular localization    | Cell membrane ; Peripheral membrane protein . Cytoplasm, cytosol . Cytoplasm, cytoskeleton, spindle pole . Nucleus . Mitochondrion . Cytosolic protein that transiently associates with the mitotic spindle poles in early prophase, and dissociates from them after completion of mitosis (By similarity). Targeted to the plasma membrane through its interaction with RALB, directed by FGF signaling. Docking on the membrane is required to transduce the Ral signal (By similarity). Recruited by RALA to the mitochondrion during mitosis where it regulates mitochondrial fission (PubMed:21822277). Nuclear localization is cell cycle dependent while membrane localization is seen in adherent cells (PubMed:22319010). The region involved in membrane association could form transmembrane domains and expose a par |





**Purification**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Clonality**

Polyclonal

**Concentration**

1 mg/ml

**Observed band**

72kD

**Human Gene ID**

10928

**Human Swiss-Prot Number**

Q15311

**Alternative Names**

**Background**

RALBP1 plays a role in receptor-mediated endocytosis and is a downstream effector of the small GTP-binding protein RAL (see RALA; MIM 179550). Small G proteins, such as RAL, have GDP-bound inactive and GTP-bound active forms, which shift from the inactive to the active state through the action of RALGDS (MIM 601619), which in turn is activated by RAS (see HRAS; MIM 190020) (summary by Feig, 2003 [PubMed 12888294]).[supplied by OMIM, Nov 2010],

