

## Product datasheet for **TA321790**

### **RALBP1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 260 amino acids of human raIA binding protein 1
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	76 kDa
Gene Name:	raIA binding protein 1
Database Link:	<a href="#">NP_006779</a> <a href="#">Entrez Gene 19765 Mouse</a> <a href="#">Entrez Gene 84014 Rat</a> <a href="#">Entrez Gene 10928 Human</a> <a href="#">Q15311</a>



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**Background:**

The RalA binding protein 1 (RalBP1 or RLIP76) was originally identified as a GTP-RalA associated protein that acted as a downstream RalA effector in regulating Ral-Ras signaling). RalBP1 interacts with RalA and the endocytosis protein REPS2 (POB1) through its carboxy-terminal Ral binding domain. RalBP1 has an intrinsic GTPase activating function and interacts with Cdc42 through its centrally located Rho-GAP domain. A protein complex containing RalBP1/POB1/RalA regulates endocytosis of membrane receptors. RalBP1 also functions as a non-ABC transporter that catalyzes the ATP-dependent transport of numerous xenobiotics, including glutathione conjugates and some chemotherapeutic agents. RalBP1 transporter activity may play an important role in detoxification, drug resistance and the stress response). Increased expression of RalBP1 protein is associated with some forms of cancer and regression of cancer xenografts results from RalBP1 inhibition. Evidence to date suggests that RalBP1 may be a promising therapeutic target for cancer therapy.

**Synonyms:**

RIP1; RLIP1; RLIP76

**Protein Pathways:**

Pancreatic cancer, Pathways in cancer

**Product images:**

Predicted band size: 76 kDa. Positive control: K562 cell lysate. Recommended dilution: 1/500-2000. (Gel: 8%SDS-PAGE Lysate: 40 ug Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)