



## Rabbit Anti-REPS2 antibody

SL19834R

<b>Product Name:</b>	REPS2
<b>Chinese Name:</b>	REPS2蛋白抗体
<b>Alias:</b>	OTTHUMP00000022995; Partner of Ral binding protein 1; Partner of RalBP1; POB1; RALBP1 associated Eps domain containing 2; RALBP1 interacting protein 2; RALBP1-associated Eps domain-containing protein 2; REPS 2. REPS2 HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	66kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human REPS2:151-250/660
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The product of this gene is part of a protein complex that regulates the endocytosis of growth factor receptors. The encoded protein directly interacts with a GTPase activating protein that functions downstream of the small G protein Ral. Its expression can negatively affect receptor internalization and inhibit growth factor signaling. Multiple transcript variants encoding different isoforms have been found for this gene. [provided

by RefSeq, Jul 2008]

**Function:**

Involved in growth factor signaling through its influence on the Ral signaling pathway.

**Subunit:**

Interacts with ASAP1 and this complex can bind paxillin. May form a ternary complex with RALBP1 and ASAP1 (By similarity). Interacts with RALBP1 and GRB2. Binding to RALBP1 does not affect the Ral-binding activity of the latter. It can form a ternary complex with activated Ral and RALBP1. Binds EPN1.

**Subcellular Location:**

Cytoplasmic.

**Tissue Specificity:**

Expressed at high levels in the cerebrum, cerebellum, lung, kidney, and testis. Weakly expressed in the kidney. Relatively highly expressed in androgen-dependent as compared to androgen-independent prostate cancer cell lines and xenografts. Isoform 2 is down-regulated during progression of prostate cancer.

**Post-translational modifications:**

EGF stimulates phosphorylation on Tyr-residues and induces complex formation with EGF receptor through an adapter protein such as GRB2.

**Similarity:**

Contains 1 EF-hand domain.

Contains 2 EH domains.

**SWISS:**

Q8NFH8

**Gene ID:**

9185

**Database links:**

[Entrez Gene: 526887](#) Cow

[Entrez Gene: 100056954](#) Horse

[Entrez Gene: 9185](#) Human

[Entrez Gene: 100353871](#) Rabbit

[Entrez Gene: 363466](#) Rat

[Oimim: 300317](#) Human

[SwissProt: Q8NFH8](#) Human

[Unigene: 186810](#) Human

[Unigene: 207682](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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