

## Product datasheet for **TA369622S**

### **RHEBL1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human colorectal cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human RHEBL1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	Ras homolog enriched in brain like 1
Database Link:	<a href="#">Entrez Gene 121268 Human</a> <a href="#">Q8TAI7</a>



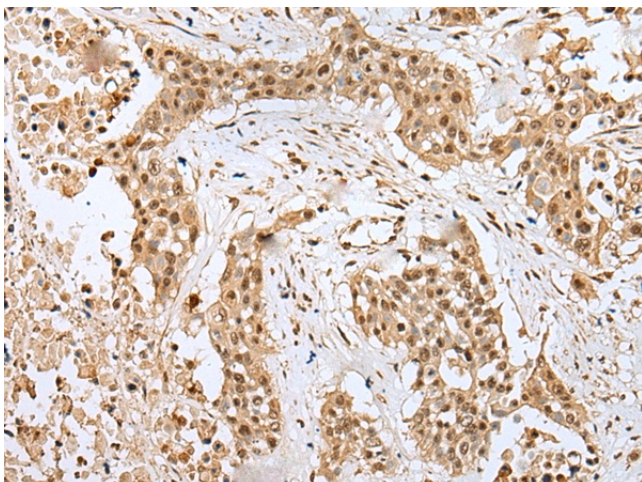
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**Background:**

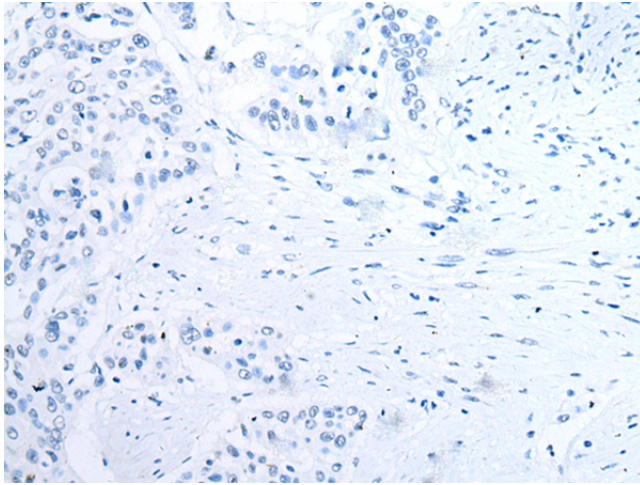
RhebL1 (ras homolog enriched in brain-like protein 1), also known as Rheb2 or GTPase RhebL1, is a 183 amino acid protein that belongs to the small GTPase superfamily and Rheb family. Localizing to the cell membrane as well as the cytoplasm, RhebL1 is ubiquitously expressed and is increased two-fold in many tumor cell lines. RhebL1 exhibits GTPase activity and may activate NF-kappa-B-mediated gene transcription. Regulating the activity of Rictor, RhebL1 also promotes signal transduction. RhebL1 exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 12q13.12 and mouse chromosome 15 F1. Human chromosome 12 encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders. Binds GTP and exhibits intrinsic GTPase activity. May activate NF-kappa-B-mediated gene transcription. Promotes signal transduction through MTOR, activates RPS6KB1, and is a downstream target of the small GTPase-activating proteins TSC1 and TSC2.

**Synonyms:**

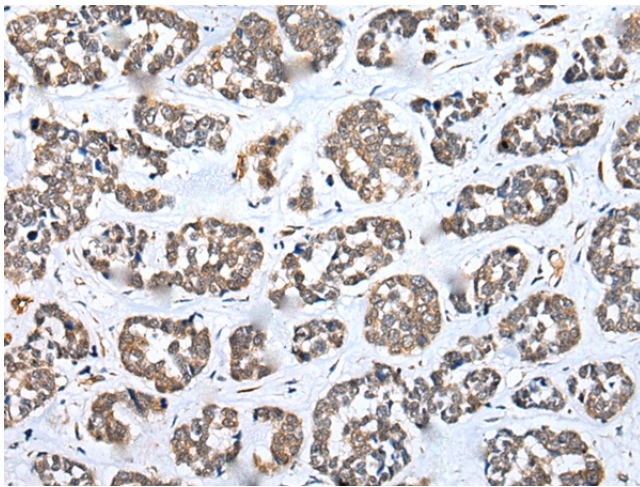
FLJ25797; MGC34869; Rheb2; RhebL1c

**Product images:**

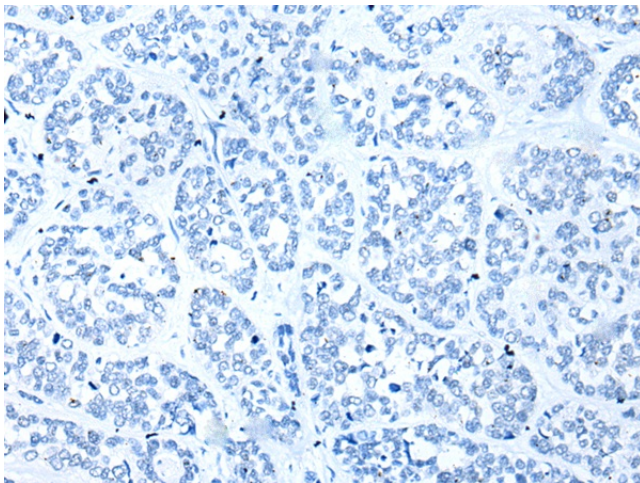
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA369622] (RHEBL1 Antibody) at dilution 1/30 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA369622] (RHEBL1 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA369622] (RHEBL1 Antibody) at dilution 1/30 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA369622] (RHEBL1 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: x200)