

## Product datasheet for **TA324159S**

### ALS2CR2 (STRADB) Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | IHC, WB  |
| Recommended Dilution: | WB: 200-1000<br>WB positive control: Mouse pancreas tissue<br>IHC: 15-50<br>Positive control: Human thyroid cancer<br>Predicted cell location: Cytoplasm |
| Reactivity:           | Human, Mouse   |
| Host:                 | Rabbit   |
| Isotype:              | IgG  |
| Clonality:            | Polyclonal   |
| Immunogen:            | Fusion protein corresponding to a region derived from 139-378 amino acids of human STE20-related kinase adaptor beta                                     |
| Formulation:          | PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol   |
| Purification:         | Antigen affinity purification  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store at -20°C as received.  |
| Stability:            | Stable for 12 months from date of receipt.   |
| Gene Name:            | STE20-related kinase adaptor beta  |
| Database Link:        | <a href="#">NP_001193793</a><br><a href="#">Entrez Gene 227154 Mouse</a> <a href="#">Entrez Gene 55437 Human</a><br><a href="#">Q9C0K7</a>               |



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**Background:**

This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein is a component of a complex involved in the activation of serine/threonine kinase 11, a master kinase that regulates cell polarity and energy-generating metabolism. This complex regulates the relocation of this kinase from the nucleus to the cytoplasm, and it is essential for G1 cell cycle arrest mediated by this kinase. The protein encoded by this gene can also interact with the X chromosome-linked inhibitor of apoptosis protein, and this interaction enhances the anti-apoptotic activity of this protein via the JNK1 signal transduction pathway. Two pseudogenes, located on chromosomes 1 and 7, have been found for this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

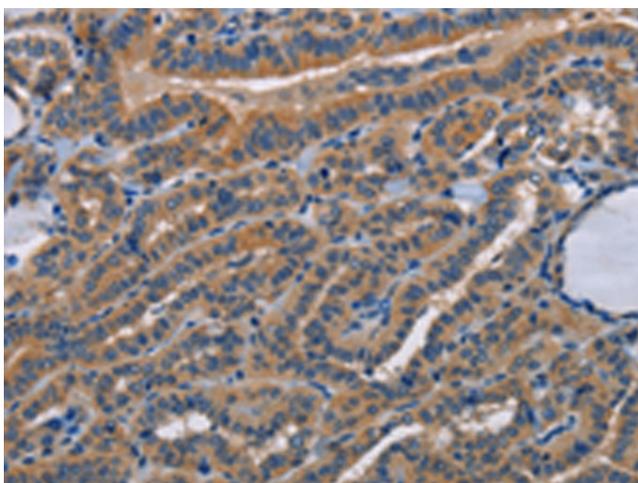
ALS2CR2; CALS-21; ILPIP; ILPIPA; PAPK; PRO1038

**Protein Families:**

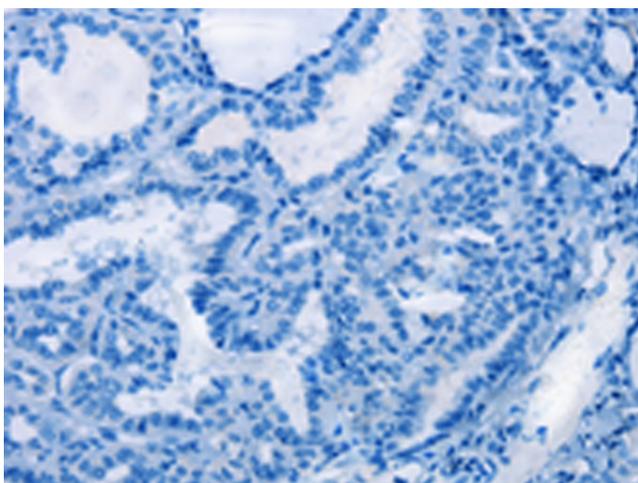
Druggable Genome, Protein Kinase

**Product images:**

Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane: Mouse pancreas tissue  
Primary antibody: [TA324159] (STRADB Antibody)  
at dilution 1/500  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 10 minutes



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA324159] (STRADB Antibody) at dilution 1/15 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA324159] (STRADB Antibody) at dilution 1/15, treated with fusion protein. (Original magnification:  $\times 200$ )