

**0910001L09Rik antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13641****Specification**

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**0910001L09Rik antibody - N-terminal region - Product Information**

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Application       | WB                                                          |
| Primary Accession | <a href="#">Q8CF66</a>                                      |
| Other Accession   | <a href="#">NM_001081108</a> , <a href="#">NP_001074577</a> |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog     |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog     |
| Host              | Rabbit                                                      |
| Clonality         | Polyclonal                                                  |
| Calculated MW     | 11kDa kDa                                                   |

**0910001L09Rik antibody - N-terminal region - Additional Information****Gene ID** 66096**Alias Symbol** **AV006840, 0910001L09Rik****Other Names**

Regulator complex protein LAMTOR4, Late endosomal/lysosomal adaptor and MAPK and MTOR activator 4, Regulator complex protein LAMTOR4, N-terminally processed, Lamtor4

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-0910001L09Rik antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

0910001L09Rik antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**0910001L09Rik antibody - N-terminal region - Protein Information****Name** Lamtor4**Function**

As part of the Regulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Regulator plays a dual role for the small GTPases Rag (RagA/RRAGA, RagB/RRAGB, RagC/RRAGC and/or RagD/RRAGD): it (1) acts as a guanine nucleotide exchange factor (GEF), activating the

small GTPases Rag and (2) mediates recruitment of Rag GTPases to the lysosome membrane. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated.

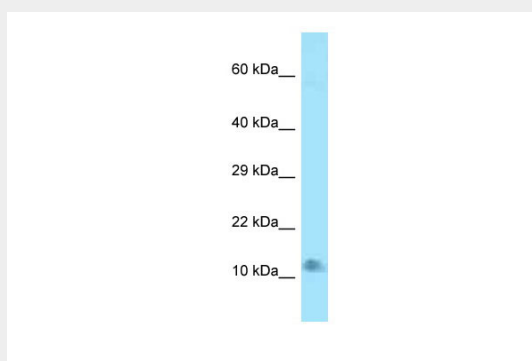
**Cellular Location**

Lysosome {ECO:0000250|UniProtKB:Q0VGL1}.

**0910001L09Rik antibody - N-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**0910001L09Rik antibody - N-terminal region - Images**

WB Suggested Anti-0910001L09Rik Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Heart

**0910001L09Rik antibody - N-terminal region - References**

Carninci P., et al. Science 309:1559-1563(2005).