

# 0910001L09Rik antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13641

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8CF66</a>
<b>Other Accession</b>	<a href="#">NM_001081108</a> , <a href="#">NP_001074577</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	10678

## Additional Information

<b>Gene ID</b>	66096
<b>Alias Symbol</b> <b>Other Names</b>	AV006840, 0910001L09Rik Ragulator complex protein LAMTOR4, Late endosomal/lysosomal adaptor and MAPK and MTOR activator 4, Ragulator complex protein LAMTOR4, N-terminally processed, Lamtor4
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	0910001L09Rik antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	Lamtor4
<b>Function</b>	As part of the Ragulator 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 Ragulator 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}.

## References

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

## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.