10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

0910001L09Rik antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13641

Specification

0910001L09Rik antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8CF66
Other Accession	NM_001081108, NP_001074577
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
Ragulator complex protein LAMTOR4, Late endosomal/lysosomal adaptor and MAPK and MTOR activator 4, Ragulator 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 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.

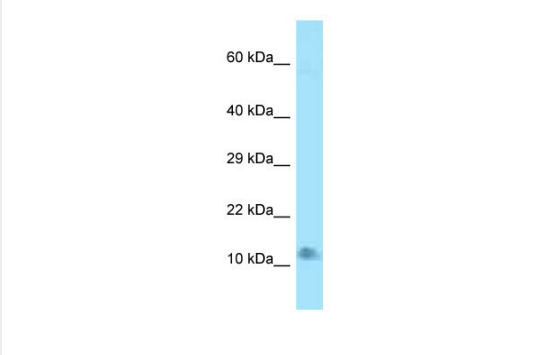
Cellular Location
Lysosome {ECO:0000250|UniProtKB:Q0VGL1}.

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 Cytomety
- 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).