

LAGE3 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15872**Specification****LAGE3 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q14657
Other Accession	NM_006014 , NP_006005
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14kDa KDa

LAGE3 Antibody - N-terminal region - Additional Information**Gene ID** 8270**Alias Symbol** **CVG5, DXS9879E, DXS9951E, ESO3, ITBA2****Other Names**

EKC/KEOPS complex subunit LAGE3, L antigen family member 3, Protein ESO-3, Protein ITBA2, LAGE3, DXS9879E, ESO3, ITBA2

Format

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

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-LAGE3 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

LAGE3 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

LAGE3 Antibody - N-terminal region - Protein Information**Name** LAGE3 ([HGNC:26058](#))**Function**

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine (PubMed: [22912744](http://www.uniprot.org/citations/22912744), PubMed: [27903914](http://www.uniprot.org/citations/27903914)). The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 (PubMed: [22912744](http://www.uniprot.org/citations/22912744), PubMed: [27903914](http://www.uniprot.org/citations/27903914)). LAGE3

functions as a dimerization module for the complex (PubMed:22912744, PubMed:27903914).

Cellular Location

Cytoplasm. Nucleus

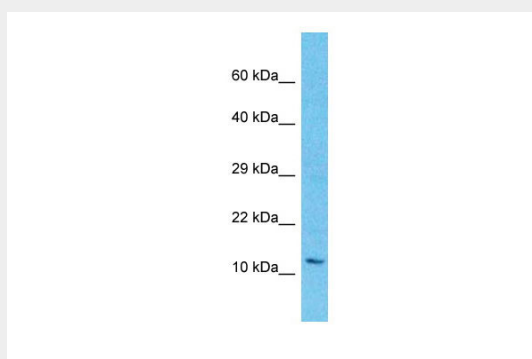
Tissue Location

Ubiquitous.

LAGE3 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](#)

LAGE3 Antibody - N-terminal region - Images

Host: Rabbit

Target Name: LAGE3

Sample Tissue: HeLa Whole cell lysate

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Antibody Dilution: 1.0µg/ml LAGE3 is supported by BioGPS gene expression data to be expressed in HeLa

LAGE3 Antibody - N-terminal region - Background

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. LAGE3 functions as a dimerization module for the complex (By similarity).

LAGE3 Antibody - N-terminal region - References

Ross M.T., et al. Nature 434:325-337(2005).

Faranda S.,et al.Genomics 34:323-327(1996).
Alpen B.,et al.Gene 297:141-149(2002).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Costessi A.,et al.PLoS ONE 7:E42822-E42822(2012).