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# LAGE3 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15872

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q14657 |
| **Other Accession** | NM_006014, NP_006005 |
| **Reactivity** | Human |
| **Predicted** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 14804 |

## Additional Information

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|---|---|
| **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 &mu, l 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. |

## Protein Information

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|---|---|
| **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, PubMed: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, PubMed:27903914). LAGE3 functions as a dimerization module for the complex (PubMed:22912744, PubMed:27903914). |
| **Cellular Location** | Cytoplasm. Nucleus |

**Tissue Location** Ubiquitous.

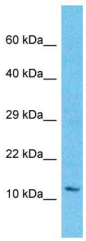
## Background

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).

## 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).

## Images




Host: Rabbit
Target Name: LAGE3
Sample Tissue: Hela Whole cell lysate
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Antibody Dilution: 1.0μg/mlLAGE3 is supported by BioGPS gene expression data to be expressed in HeLa

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