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LAGE3 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15872

Product Information

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

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 &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

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.

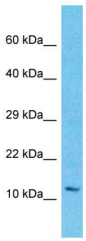
Background

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