

# CLUH Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI16083

## Product Information

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|                   |                           |
|-------------------|---------------------------|
| Application       | WB                        |
| Primary Accession | <a href="#">O75153</a>    |
| Other Accession   | <a href="#">NP_056044</a> |
| Reactivity        | Human                     |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |
| Calculated MW     | 146670                    |

## Additional Information

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|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                     | 23277                                                                                                                                                                                               |
| Alias Symbol<br>Other Names | CLUH, KIAA0664,<br>Clustered mitochondria protein homolog<br>{ECO:0000255 HAMAP-Rule:MF_03013}, CLUH, KIAA0664                                                                                      |
| 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-CLUH 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                 | CLUH Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                 |

## Protein Information

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CLUH                                                                                                                                                                                                                                                                                                  |
| Synonyms          | KIAA0664                                                                                                                                                                                                                                                                                              |
| Function          | mRNA-binding protein involved in proper cytoplasmic distribution of mitochondria. Specifically binds mRNAs of nuclear- encoded mitochondrial proteins in the cytoplasm and regulates transport or translation of these transcripts close to mitochondria, playing a role in mitochondrial biogenesis. |
| Cellular Location | Cytoplasm {ECO:0000255 HAMAP-Rule:MF_03013}. Cytoplasmic granule. Note=A fraction colocalizes with tyrosinated tubulin and can be detected close to mitochondria.                                                                                                                                     |

## Background

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mRNA-binding protein involved in proper cytoplasmic distribution of mitochondria. Specifically binds mRNAs of nuclear- encoded mitochondrial proteins in the cytoplasm and regulates transport or translation of these transcripts close to mitochondria, playing a role in mitochondrial biogenesis.

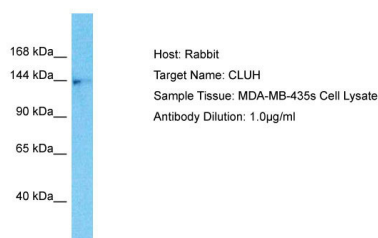
## References

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Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Ishikawa K.,et al.DNA Res. 5:169-176(1998).  
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).  
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).

## Images

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Host: Rabbit  
Target Name: CLUH  
Sample Tissue: MDA-MB-435s Whole cell lysate  
S  
Antibody Dilution: 1.0µg/ml

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