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Datasheet for ABIN717419  
**anti-C14orf166 antibody (AA 151-244) (Cy3)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | C14orf166   |
| Binding Specificity: | AA 151-244  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This C14orf166 antibody is conjugated to Cy3  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human RLLM1/C14orf166 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Human   |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Sheep,Pig,Chicken,Rabbit                          |
| Purification:         | Purified by Protein A.  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | C14orf166                                    |
| Alternative Name: | RLLM1 ( <a href="#">C14orf166 Products</a> ) |

## Target Details

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**Background:** Synonyms: CGI 99, CGI99, CLE, Homeobox prox 1, RLLM1, Chromosome 14 open reading frame 166, CLE7, LCRP369, RLL mot containing 1, CN166\_HUMAN.

Background: CGI-99 is a 244 amino acid protein that localizes to the nucleus, as well as to the cytoplasm, and belongs to the UPF0568 family. Expressed in a variety of tissues with particularly high levels in heart and skeletal muscle, CGI-99 functions as a homodimer that interacts with Ninein and is thought to regulate Ninein function. CGI-99 is overexpressed in brain tumor tissue, suggesting a role in tumor development and metastasis. The gene encoding CGI-99 maps to human chromosome 14, which houses over 700 genes and comprises nearly 3.5 % of the human genome. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder  $\alpha$ -antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction.

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**Gene ID:** 51637

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## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1  $\mu$ g/ $\mu$ L

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**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months

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