10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# C102B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5377b

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, FC, E |
| **Primary Accession** | Q68D86 |
| **Other Accession** | NP_079057.2 |
| **Reactivity** | Human, Rat, Mouse |
| **Predicted** | Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB26468 |
| **Calculated MW** | 60448 |
| **Antigen Region** | 472-500 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 79839 |
| **Other Names** | Coiled-coil domain-containing protein 102B, CCDC102B, C18orf14 |
| **Target/Specificity** | This C102B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 472-500 amino acids from the C-terminal region of human C102B. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | C102B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

| | |
|---|---|
| **Name** | CCDC102B |
| **Synonyms** | C18orf14 |

**Function**

During interphase, forms fibers at the proximal ends of centrioles to maintain centrosome cohesion (PubMed:30404835). During mitosis, dissociates from the centrosome following phosphorylation to allow centrosome separation (PubMed:30404835). Contributes to CROCC/rootletin filament formation (PubMed:30404835).

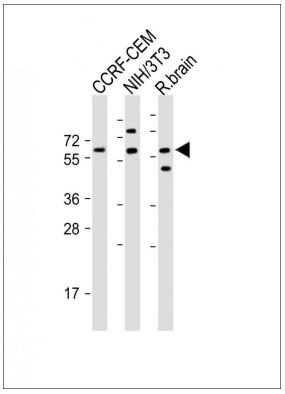
**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Note=Concentrated at the proximal ends of centrioles where it forms fibers (PubMed:30404835). Centrosomal localization becomes weak when cells enter prophase and is significantly decreased in metaphase (PubMed:30404835).

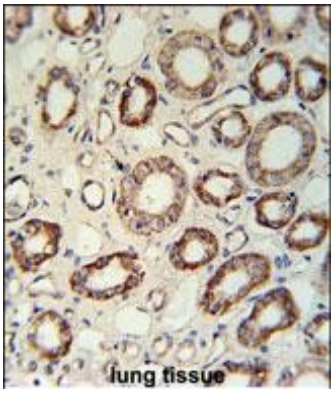
## References

Miller, Y.E., et al. Genomics 8(1):149-154(1990)

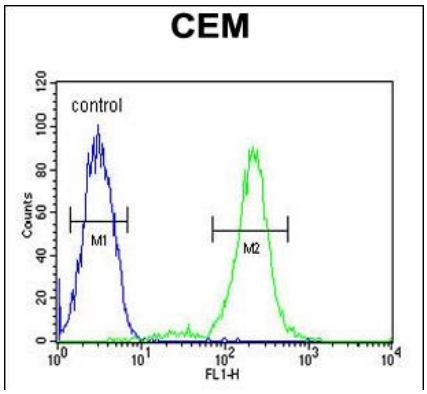
## Images




All lanes : Anti-C102B Antibody (C-term) at 1:1000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 60kDa Blocking/Dilution buffer: 5% NFDM/TBST.




C102B Antibody (C-term) (Cat. #AP5377b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the C102B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.




C102B Antibody (C-term) (Cat. #AP5377b) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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