

**Product Name: Rab4 (18S8) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe16789**



## Summary

|                        |  |
|------------------------|--|
| <b>Production Name</b> | Rab4 (18S8) Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal Antibody             |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB                                     |
| <b>Reactivity</b>      | Human,Mouse,Rat                        |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.   |
| <b>Buffer</b>       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | RAB4A   |
| <b>Alternative Names</b> | Rab4 ; RAB4A; HRES 1 ;RAB4; Ras related protein Rab 4A; |
| <b>Gene ID</b>           | 5867.0  |
| <b>SwissProt ID</b>      | P20338.   |

## Application

|                         |                 |
|-------------------------|-----------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000 |
| <b>Molecular Weight</b> | 24kDa           |

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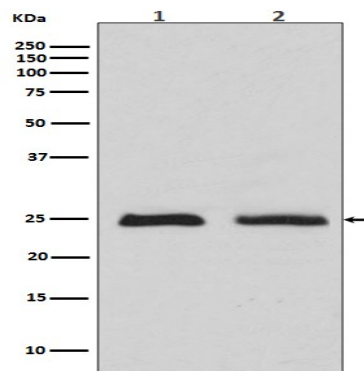
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## Background

The protein encoded by this gene belongs to the rab family. Rab4A protein is involved in the regulation of procathepsin L secretion, it was either inhibited by expression of a Rab4A dominant-negative mutant or increased by overexpression of the wild-type Rab4A in human melanoma cells. Small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state (PubMed: [15907487](http://www.uniprot.org/citations/15907487), PubMed: [16034420](http://www.uniprot.org/citations/16034420)). Involved in protein transport (PubMed: [29425100](http://www.uniprot.org/citations/29425100)). Plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed: [29425100](http://www.uniprot.org/citations/29425100)). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).

## Research Area

## Image Data



Western blot analysis of Rab4 expression in (1)MCF7 cell lysates (2)HeLa cell lysate.

## Note

For research use only.