

## Product Information

### Anti- WHAMM

produced in rabbit, affinity isolated antibody

Product Number **SAB4200589**

### Product Description

Anti- WHAMM is produced in rabbit using as immunogen a peptide corresponding to an internal region of human WHAMM (GeneID: 123720), conjugated to KLH. The corresponding sequence differs by 3 amino acids in mouse and by 4 in rat WHAMM. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti- WHAMM recognizes human WHAMM. The antibody may be used in various immunochemical techniques including immunoblotting (~100 kDa). Detection of the WHAMM band by immunoblotting is specifically inhibited by the immunizing peptide.

WHAMM (WASP Homologue associated with Actin, Membranes, and Microtubules) is a nucleation-promoting factor that links actin polymerization and microtubule dynamics. WHAMM localizes to the cis-Golgi and tubulo-vesicular membrane transport intermediates. WHAMM is composed of an N-terminal region that mediates Golgi membrane association, a coiled-coil region that binds microtubules and a WCA region that promotes Arp2/3-mediated actin polymerization. WHAMM is required for Golgi structure maintenance and participates in vesicle transport between the reticulum endoplasmic and the Golgi complex.<sup>1-3</sup>

### Reagent

Supplied as a solution in 0.01 M phosphate buffered saline pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~ 1.0 mg/mL

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2–8 °C for up to one month. For extended storage freeze in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

### Product Profile

Immunoblotting: a working concentration of 4-8 µg/mL is recommended using whole extracts of human U-2-OS cells.

**Note:** In order to obtain best results in different techniques and preparations we recommend determining optimal working concentration by titration test. Exposure to sensitive film is recommended.

### References

1. Campellone, K.G., et al., *Cell*, **134**, 148-161 (2008).
2. Rottner, K., et al., *Trends Cell. Biol.*, **20**, 650-661 (2010).
3. Burianek, L.E., and Soderling, S.H., *Semin. Cell Dev. Biol.*, **24**, 258–266 (2013).

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