

**WHAMM Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15324****Specification**

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**WHAMM Antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q8TF30</a>
Other Accession	<a href="#">NM_001080435</a> , <a href="#">NP_001073904</a>
Reactivity	Human, Rat, Pig, Horse, Dog
Predicted	Human, Rat, Pig, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91kDa KDa

**WHAMM Antibody - C-terminal region - Additional Information****Gene ID** 123720**Alias Symbol** KIAA1971, WHDC1**Other Names**

WASP homolog-associated protein with actin, membranes and microtubules, WAS protein homology region 2 domain-containing protein 1, WH2 domain-containing protein 1, WHAMM, KIAA1971, WHDC1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-WHAMM 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**

WHAMM Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**WHAMM Antibody - C-terminal region - Protein Information****Name** WHAMM**Synonyms** KIAA1971, WHDC1**Function**

Acts as a nucleation-promoting factor (NPF) that stimulates Arp2/3-mediated actin polymerization both at the Golgi apparatus and along tubular membranes. Its activity in membrane tubulation requires F-actin and interaction with microtubules. Proposed to use coordinated actin-nucleating and microtubule-binding activities of distinct WHAMM molecules to drive membrane tubule elongation; when MT-bound can recruit and remodel membrane vesicles but is prevented to

activate the Arp2/3 complex. Involved as a regulator of Golgi positioning and morphology. Participates in vesicle transport between the reticulum endoplasmic and the Golgi complex. Required for RhoD-dependent actin reorganization such as in cell adhesion and cell migration.

**Cellular Location**

Cytoplasm. Endoplasmic reticulum-Golgi intermediate compartment. Cytoplasmic vesicle membrane. Golgi apparatus, cis-Golgi network. Note=Localized to a perinuclear compartment near the microtubule-organizing center (MTOC). Also detected on tubulo-vesicular structures in the cell periphery that frequently localized along microtubules.

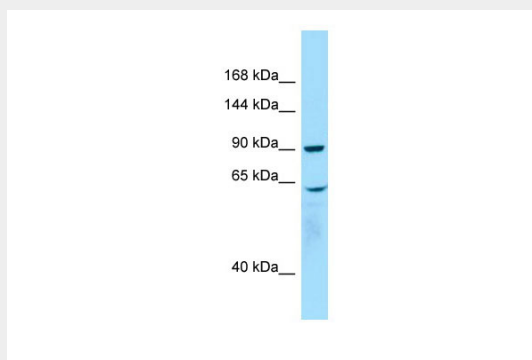
**Tissue Location**

Expressed in brain, lung, heart, colon and kidney (at protein level)

**WHAMM Antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**WHAMM Antibody - C-terminal region - Images**

WB Suggested Anti-WHAMM Antibody Titration: 1.0 µg/ml  
Positive Control: Placenta

**WHAMM Antibody - C-terminal region - References**

Nagase T., et al. DNA Res. 8:319-327(2001).  
Zody M.C., et al. Nature 440:671-675(2006).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Campellone K.G., et al. Cell 134:148-161(2008).  
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).