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

Specification

WHAMM Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q8TF30
Other Accession	NM_001080435, NP_001073904
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.

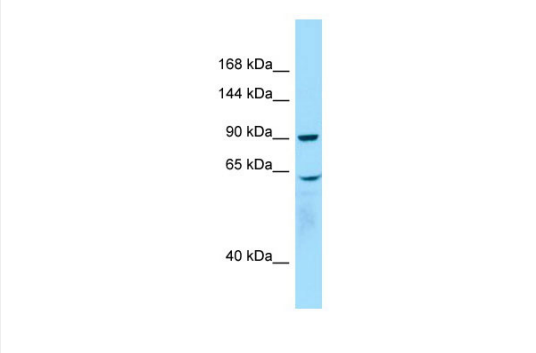
Tissue Location
Expressed in brain, lung, heart, colon and kidney (at protein level)

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 Cytomety
- 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).