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WHAMM Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15324

Product Information

Application	WB
Primary Accession	Q8TF30
Other Accession	NM_001080435, NP_001073904
Reactivity	Human, Rat, Pig, Dog, Horse
Predicted	Human, Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90924

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.

Protein Information

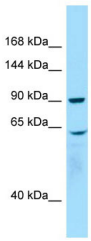
Name	WHAMM
Synonyms	KIAA1971, WHDC1
Function	Acts as a nucleation-promoting factor (NPF) that stimulates Arp2/3-mediated actin polymerization both at the Golgi apparatus and along tubular membranes. Its activity in membrane tubulation requires F-actin and interaction with microtubules. Proposed to use 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)

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).

Images



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