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# KIF24 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15437

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q5T7B8 |
| **Other Accession** | NM_194313, NP_919289 |
| **Reactivity** | Human, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 151903 |

## Additional Information

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| **Gene ID** | 347240 |
| **Alias Symbol** | C9orf48, FLJ10933, FLJ43884, MGC125677, MGC125678, bA571F15.4 |
| **Other Names** | Kinesin-like protein KIF24, KIF24, C9orf48 |
| **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-KIF24 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** | KIF24 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

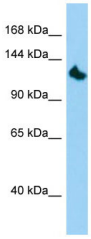
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| **Name** | KIF24 |
| **Synonyms** | C9orf48 |
| **Function** | Microtubule-dependent motor protein that acts as a negative regulator of ciliogenesis by mediating recruitment of CCP110 to mother centriole in cycling cells, leading to restrict nucleation of cilia at centrioles. Mediates depolymerization of microtubules of centriolar origin, possibly to suppress aberrant cilia formation (PubMed:21620453). Following activation by NEK2 involved in disassembly of primary cilium during G2/M phase but does not disassemble fully formed ciliary axonemes. As cilium assembly and disassembly is proposed to coexist in a dynamic equilibrium may suppress nascent cilium assembly and, potentially, ciliar re-assembly in cells that have |

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| | already disassembled their cilia ensuring the completion of cilium removal in the later stages of the cell cycle (PubMed:26290419). Plays an important role in recruiting MPHOSPH9, a negative regulator of cilia formation to the distal end of mother centriole (PubMed:30375385). |
| **Cellular Location** | Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Primarily localizes to the mother centriole/basal body and is either absent at daughter centriole |

## References


Humphray S.J.,et al.Nature 429:369-374(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Daub H.,et al.Mol. Cell 31:438-448(2008).
Oppermann F.S.,et al.Mol. Cell. Proteomics 8:1751-1764(2009).
Kobayashi T.,et al.Cell 145:914-925(2011).


## Images




Host: Rabbit
Target Name: KIF24
Sample Tissue: HepG2 Whole cell lysate
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Antibody Dilution: 1.0µg/mlKIF24 is supported by BioGPS gene expression data to be expressed in HepG2


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.