

**KIF1A antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10578****Specification****KIF1A antibody - N-terminal region - Product Information**

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">Q12756</a>                                         |
| Other Accession   | <a href="#">NM_004321</a> , <a href="#">NP_004312</a>          |
| Reactivity        | Human, Mouse, Rat, Zebrafish, Pig, Horse, Bovine, Dog          |
| Predicted         | Human, Mouse, Zebrafish, Pig, Chicken, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                         |
| Clonality         | Polyclonal                                                     |
| Calculated MW     | 191kDa KDa                                                     |

**KIF1A antibody - N-terminal region - Additional Information****Gene ID 547**

|              |                                                                                                    |
|--------------|----------------------------------------------------------------------------------------------------|
| Alias Symbol | ATSV, C2orf20, DKFZp686I2094, FLJ30229, HUNC-104, MGC133285, MGC133286, UNC104, MRD9, HSN2C, SPG30 |
|--------------|----------------------------------------------------------------------------------------------------|

**Other Names**

Kinesin-like protein KIF1A, Axonal transporter of synaptic vesicles, Microtubule-based motor KIF1A, Unc-104- and KIF1A-related protein, hUnc-104, KIF1A, ATSV, C2orf20

**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-KIF1A 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**

KIF1A antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**KIF1A antibody - N-terminal region - Protein Information**

**Name** KIF1A

**Synonyms** ATSV, C2orf20

**Function**

Motor for anterograde axonal transport of synaptic vesicle precursors (PubMed:<a href="http://www.uniprot.org/citations/33880452" target="\_blank">33880452</a>). Also required

for neuronal dense core vesicles (DCVs) transport to the dendritic spines and axons. The interaction calcium-dependent with CALM1 increases vesicle motility and interaction with the scaffolding proteins PPFIA2 and TANC2 recruits DCVs to synaptic sites.

#### Cellular Location

Cytoplasm, cytoskeleton. Cell projection, neuron projection. Cell projection, axon {ECO:0000250|UniProtKB:P33173}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P33173}. Synapse {ECO:0000250|UniProtKB:P33173} Cytoplasmic vesicle, secretory vesicle, neuronal dense core vesicle membrane {ECO:0000250|UniProtKB:F1M4A4}; Peripheral membrane protein {ECO:0000250|UniProtKB:F1M4A4}; Cytoplasmic side {ECO:0000250|UniProtKB:F1M4A4}. Note=Within neuronal cells concentrated in the axon, with smaller amounts in the perinuclear and synaptic regions (By similarity). Accumulates at the distal tip of growing neurites. {ECO:0000250|UniProtKB:P33173, ECO:0000269|PubMed:25265257, ECO:0000269|PubMed:33880452}

#### Tissue Location

Expressed in neurons.

#### KIF1A antibody - N-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](#)

