

KIF1A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54465**Specification**

KIF1A Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	Q12756
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	191064

KIF1A Polyclonal Antibody - Additional Information**Gene ID** 547**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

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

KIF1A Polyclonal Antibody - Protein Information**Name** KIF1A**Synonyms** ATSV, C2orf20**Function**

Motor for anterograde axonal transport of synaptic vesicle precursors (PubMed:33880452). 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}

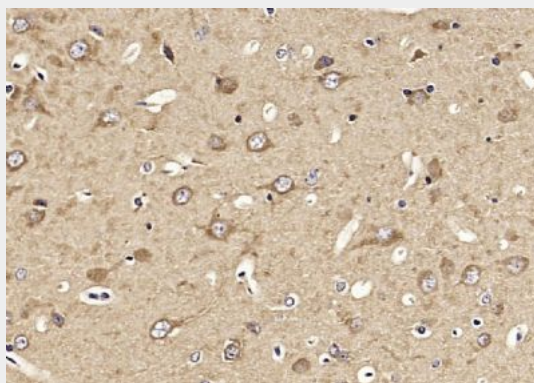
Tissue Location

Expressed in neurons.

KIF1A Polyclonal Antibody - 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](#)

KIF1A Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (KIF1A) Polyclonal Antibody, Unconjugated (bs-11350R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.