

# KIF26A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56536

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q9ULI4</a>
<b>Reactivity</b>	Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	194590
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human KIF26A
<b>Epitope Specificity</b>	1651-1750/1882
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cytoplasm > cytoskeleton.
<b>SIMILARITY</b>	Belongs to the kinesin-like protein family. KIF26 subfamily. Contains 1 kinesin-motor domain.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	The kinesins constitute a large family of microtubule-dependent motor proteins, which are responsible for the distribution of numerous organelles, vesicles and macromolecular complexes throughout the cell. Individual kinesin members play crucial roles in cell division, intracellular transport and membrane trafficking events including endocytosis and transcytosis. KIF26A (kinesin family member 26A) is a 1,882 amino acid protein that contains one N-terminal kinesin-motor domain and belongs to the kinesin-like protein family. The kinesin-motor domain is responsible for the ATP-dependent movement of KIF26A across microtubules.

## Additional Information

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<b>Gene ID</b>	26153
<b>Other Names</b>	Kinesin-like protein KIF26A, KIF26A, KIAA1236
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

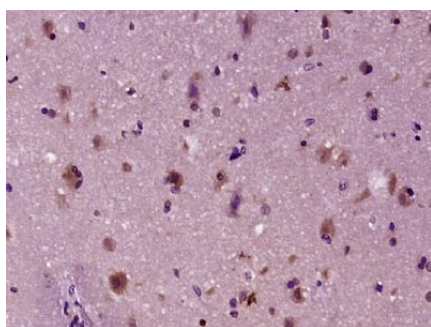
## Protein Information

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<b>Name</b>	KIF26A
<b>Synonyms</b>	KIAA1236
<b>Function</b>	Atypical kinesin that plays a key role in enteric neuron development. Acts by repressing a cell growth signaling pathway in the enteric nervous system development, possibly via its interaction with GRB2 that prevents GRB2-binding to SHC, thereby attenuating the GDNF-Ret signaling (By similarity). Binds to microtubules but lacks microtubule- based motility due to the absence of ATPase activity (By similarity). Plays a critical role in cerebral cortical development. It probably acts as a microtubule stabilizer that regulates neurite growth and radial migration of cortical excitatory neurons (PubMed: <a href="#">36228617</a> ).
<b>Cellular Location</b>	Cytoplasm, cytoskeleton.
<b>Tissue Location</b>	In the developing cerebral cortex, preferentially expressed by migrating excitatory neurons

## Images

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Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KIF26A) Polyclonal Antibody, Unconjugated (AP56536) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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