10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KIF26A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56536

Specification

KIF26A Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q9ULI4
Reactivity	**Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**195 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human KIF26A**
Epitope Specificity	**1651-1750/1882**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm > cytoskeleton.**
SIMILARITY	**Belongs to the kinesin-like protein family. KIF26 subfamily. Contains 1 kinesin-motor domain.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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.

KIF26A Polyclonal Antibody - Additional Information

Gene ID 26153

Other Names
Kinesin-like protein KIF26A, KIF26A, KIAA1236

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br

\>E~~N/A

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

Storage
Store at -20 ℃ 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 ℃.

KIF26A Polyclonal Antibody - Protein Information

Name KIF26A

Synonyms KIAA1236

Function
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 attenating 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:36228617).

Cellular Location
Cytoplasm, cytoskeleton.

Tissue Location
In the developing cerebral cortex, preferentially expressed by migrating excitatory neurons

KIF26A 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 Cytomety
- Cell Culture

KIF26A Polyclonal Antibody - Images

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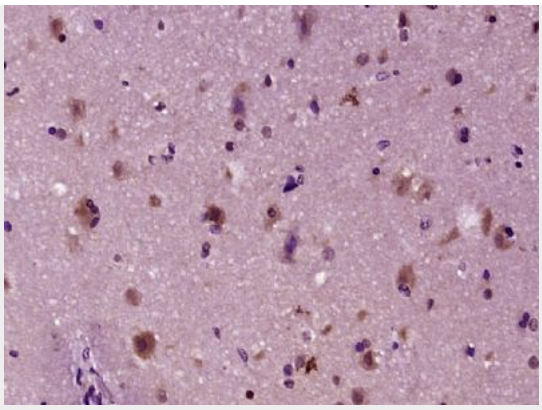

Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KIF26A) Polyclonal Antibody, Unconjugated (bs-17053R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.