## **Elabscience**®

### **KIF3A Polyclonal Antibody**

### catalog number: E-AB-14178

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse
Immunogen	Recombinant protein of human KIF3A
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200
Data	





Western Blot analysis of Mouse brain and Human brain Immunohistochemistry of paraffin-embedded Human thyroid malignant glioma tissue using KIF3A Polyclonal Antibody at cancer using KIF3A Polyclonal Antibody at dilution of 1:40 dilution of 1:750

Calculated-MW:80 kDa



Immunohistochemistry of paraffin-embedded Human lung cancer using KIF3A Polyclonal Antibody at dilution of 1:40

# Preparation & Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. Shipping The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

#### Background

For Research Use Only

Toll-free: 1-888-852-8623 Web:<u>w w .elabscience.com</u>

Tel: 1-832-243-6086 Email:techsupport@elabscience.com

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Kinesin-like protein KIF3A is a protein that in humans is encoded by the KIF3A gene.Members of the heterotrimeric kinesin II family of microtubule associated motors generally contain two different motor subunits from the KIF3 family, which includes KIF3A, B and C.KIF3 isoforms mediate anterograde transport of membrane bound organelles in neurons and melanosomes, transport between the endoplasmic reticulum and the Golgi, and transport of protein complexes within cilia and flagella required for their morphogenesis.KIF3A may influence neurogenesis at the level of embryonic cellular events, where the asymmetry of the genetic control circuit controlling left-right (L-R) axis determination is defined.Loss of KIF3A function in mice photoreceptors causes apoptotic cell death, suggesting that kinesin II mediated transport is required for proper cell fate.

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