KIF3A Antibody

Catalog No: #35795

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Description

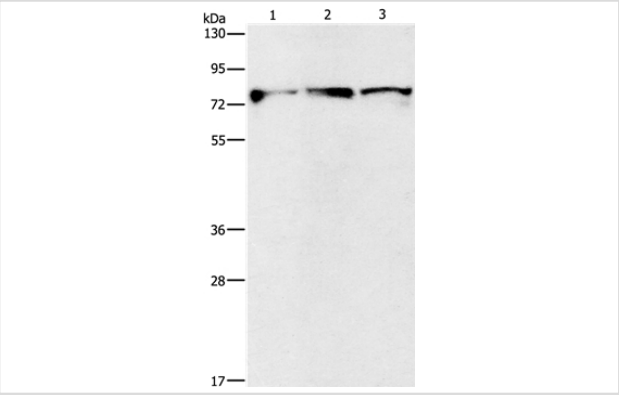
Product Name	KIF3A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total KIF3A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human kinesin family member 3A
Target Name	KIF3A
Other Names	FLA10; KLP-20
Accession No.	Swiss-Prot#: Q9Y496NCBI Gene ID: 11127Gene Accssion: BC045542
Uniprot	Q9Y496
GeneID	11127;
SDS-PAGE MW	80kd
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

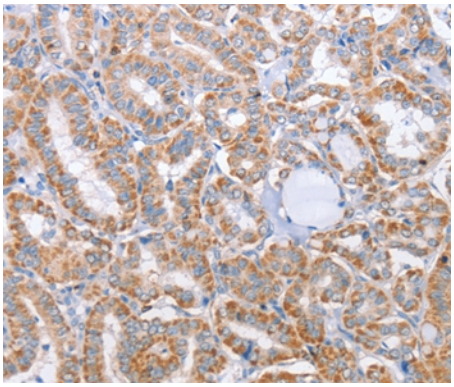
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 8%SDS-PAGE
Lysates (from left to right): Mouse brain and human fetal brain tissue, human brain malignant glioma tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/500 dilution
Secondary antibody dilution: 1/8000
Exposure time: 1 second



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #35795 at dilution 1/25.

Background

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.

Note: This product is for in vitro research use only