KIF7 (2A7) monoclonal antibody

Catalog: MB3179 Host: Mouse Reactivity: Human,Mouse,Rat

BackGround:

Essential for hedgehog signaling regulation: acts as both a negative and positive regulator of sonic hedgehog (Shh) and Indian hedgehog (Ihh) pathways, acting downstream of SMO, through both SUFU-dependent and -independent mechanisms (PubMed:21633164). Involved in the regulation of microtubular dynamics. Required for proper organization of the ciliary tip and control of ciliary localization of SUFU-GLI2 complexes . Required for localization of GLI3 to cilia in response to Shh. Negatively regulates Shh signaling by preventing inappropriate activation of the transcriptional activator GLI2 in the absence of ligand. Positively regulates Shh signaling by preventing the processing of the transcription factor GLI3 into its repressor form. In keratinocytes, promotes the dissociation of SUFU-GLI2 complexes, GLI2 nuclear translocation and Shh signaling activation . Involved in the regulation of epidermal differentiation and chondrocyte development .

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

-

Swiss-Prot:

Q2M1P5

Purification&Purity:

Affinity Purified

Applications:

IHC: 1/50-1/100 IF: 1/50-1/200

Storage&Stability:

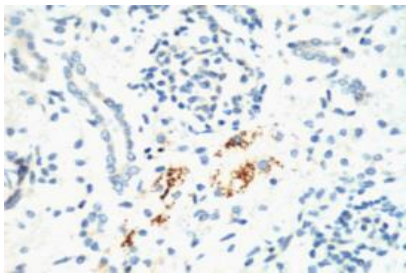
Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Isotype:

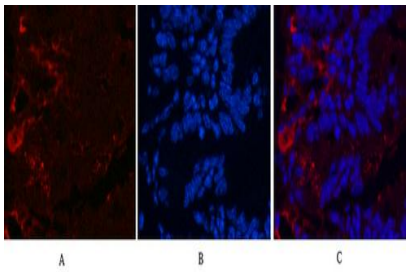
IgG1

DATA:

Immunofluorescence analysis of KIF7 in mouse colon using KIF7 antibody,and DAPI .



Immunohistochemistry analysis of paraffin-embedded mouse Kidney tissue using KIF7 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151