Product Name: KD-Validated CFAP298 Mouse Monoclonal Antibody
Catalog #: KVAb00591
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.2kDa

Antigen Information

Gene Name	CFAP298
Alternative Names	CFAP298; Cilia And Flagella Associated Protein 298; C21orf48; C21orf59; DNAAF16; CILD26; FBB18; Kur; Cilia- And Flagella-Associated Protein 298; Dynein Axonemal Assembly Factor 16; Protein Kurly Homolog; FLJ20467; Prostate Cancer Upregulated Protein 1; Chromosome 21 Open Reading Frame 48; Chromosome 21 Open Reading Frame 59; Kurly Homolog (Zebrafish); UPF0769 Protein C21orf59; Kurly Homolog
Gene ID	56683.0
SwissProt ID	P57076
Immunogen	Recombinant protein of human C21orf59

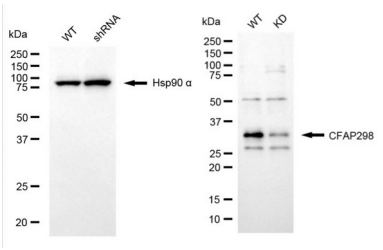
Background

This gene encodes a protein that plays a critical role in dynein arm assembly and motile cilia function. Mutations in this gene result in primary ciliary dyskinesia. Naturally occuring readthrough transcription occurs from this locus to the downstream t-complex 10 like (TCP10L) gene. [provided by RefSeq, Apr 2017]

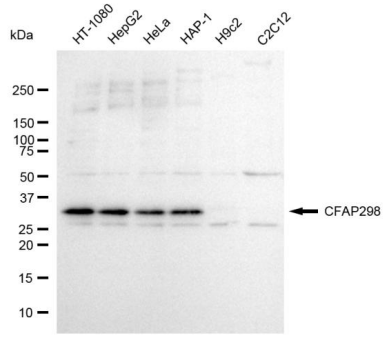
Research Area

Cancer

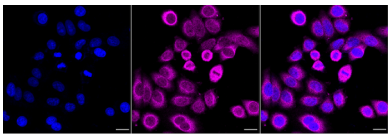
Image Data



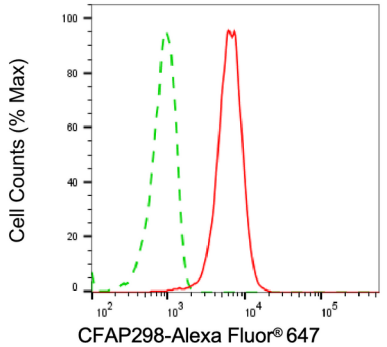
Western blotting analysis using CFAP298 antibody (KVAb00591). CFAP298 expression in wild type (WT) and CFAP298 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CFAP298 antibody (KVAb00591, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CFAP298 antibody (KVAb00591). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CFAP298 antibody (KVAb00591, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with CFAP298 antibody (KVAb00591, 1:500) . Nuclei were stained blue with DAPI; CFAP298 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of CFAP298 expression in HepG2 cells using CFAP298 antibody (KVAb00591, 1:1,000). Green, isotype control; red, CFAP298.