

For Research Use Only

OFD1 Polyclonal antibody

Catalog Number: 22851-1-AP

7 Publications



Basic Information

Catalog Number: 22851-1-AP	GenBank Accession Number: BC096344	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 8481	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: O75665	IF/ICC 1:50-1:500
Isotype: IgG	Full Name: oral-facial-digital syndrome 1	
Immunogen Catalog Number: AG18898	Calculated MW: 1012 aa, 117 kDa	
	Observed MW: 110-120 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IF	IHC : human brain tissue,
Species Specificity: human	IF/ICC : HEK-293 cells, hTERT-RPE1 cells
Cited Species: human, mouse, rat, zebrafish	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

OFD1, also named CXorf5 and 71-7A, belongs to the OFD1 family. It has been implicated in several developmental syndromes, including a male-lethal X-linked dominant condition, Oral-Facial-Digital type 1 (OFD1) syndrome, X-linked recessive Simpson-Golabi-Behmel syndrome type 2 (SGBS2), and Joubert syndrome and related disorders (JSRDs). It is a component of the centrioles controlling mother and daughter centrioles' length. It recruits to the centriole IFT88 and centriole distal appendage-specific proteins including CEP164. Involved in the biogenesis of the cilium, a centriole-associated function. OFD1 plays an important role in development by regulating Wnt signaling and the specification of the left-right axis. This antibody recognizes all the isoforms of OFD1. The 43 kDa is isoform 2. The ~80 kDa band is unknown.

Notable Publications

Author	Pubmed ID	Journal	Application
Dragomir B Krastev	29789535	Nat Commun	IF
Ryuji Kojima	35720483	Oncol Lett	WB, IF
Ji Hyun Shin	25796328	Biochem Biophys Res Commun	WB

Storage

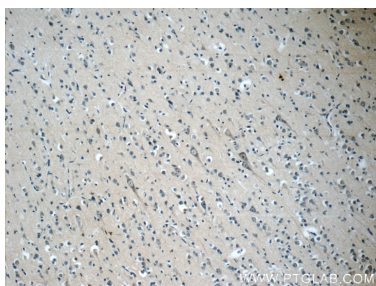
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

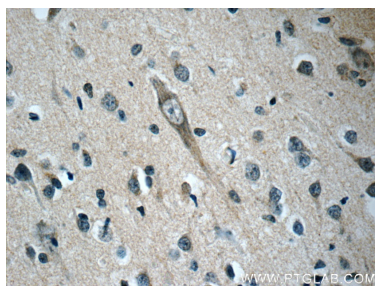
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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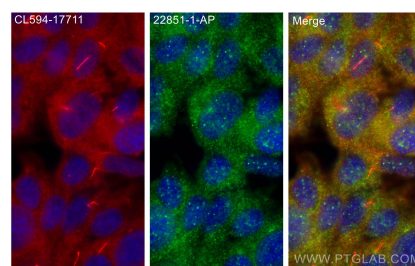
Selected Validation Data



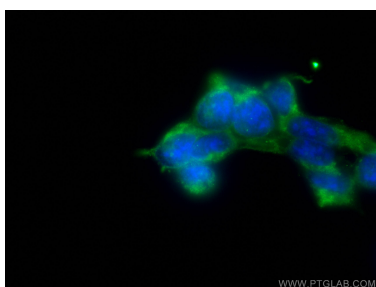
Immunohistochemical analysis of paraffin-embedded human brain slide using 22851-1-AP (OFD1 Antibody) at dilution of 1:50. (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain slide using 22851-1-AP (OFD1 Antibody) at dilution of 1:50. (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed hTERT-RPE1 cells using OFD1 antibody (22851-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CoraLite®594 ARL13B antibody (CL594-17711, red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using OFD1 antibody (22851-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).