

For Research Use Only

KHDC3L Polyclonal antibody

Catalog Number: 24989-1-AP



Basic Information

Catalog Number: 24989-1-AP	GenBank Accession Number: BC137160	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 154288	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q587J8	
Isotype: IgG	Full Name: chromosome 6 open reading frame 221	
Immunogen Catalog Number: AG21790	Calculated MW: 217 aa, 24 kDa	
	Observed MW: 21-24 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : human testis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver cancer tissue,
	IF/ICC : HepG2 cells,

Background Information

KHDC3L (also known as Filia and ES cell-associated transcript1 [Ecat1]) as a key regulator in safeguarding the genomic stability of mouse early embryonic cells. KHDC3L is critical in preventing the replication associated DNA DSBs in epiblast cells (PMID: 29125140). Importantly, by analyzing KHDC3L mutations causes recurrent pregnancy loss by inducing genomic instability of human early embryonic cells (PMID: 31609975).

Storage

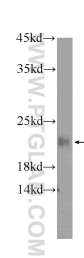
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

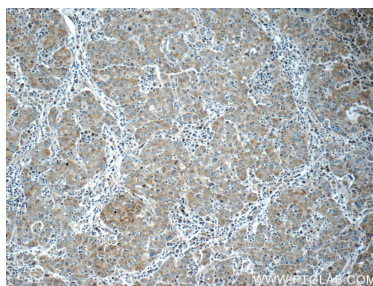
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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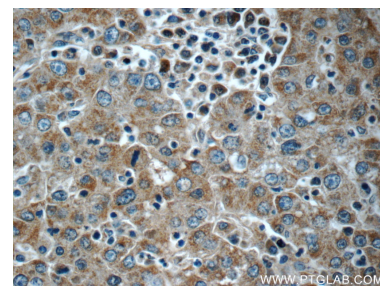
Selected Validation Data



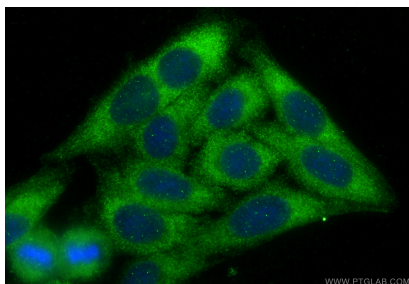
human testis tissue were subjected to SDS PAGE followed by western blot with 24989-1-AP (KHDC3L antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24989-1-AP (KHDC3L antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24989-1-AP (KHDC3L antibody at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using KHDC3L antibody (24989-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).