

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;	GenID (NCBI):	154288	Recommended Dilutions:	WB: 1:500-1:1000 IHC: 1:50-1:500 IF/ICC: 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q587J8	Full Name:	chromosome 6 open reading frame 221
Isotype:	IgG	Calculated MW:	217 aa, 24 kDa	Observed MW:	21-24 kDa
Immunogen Catalog Number:	AG21790				

Applications

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

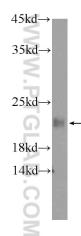
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.5
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

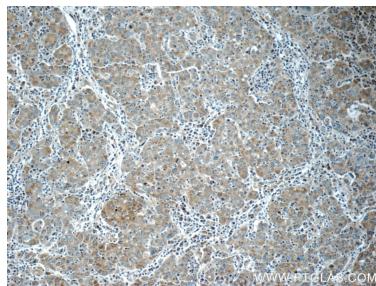
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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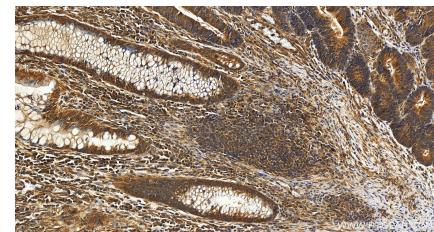
Selected Validation Data



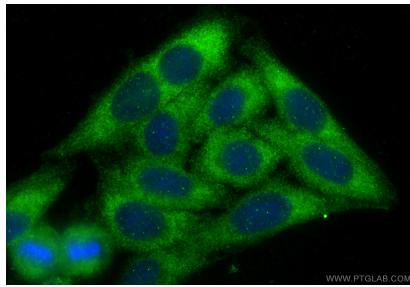
human testis tissue were subjected to SDS PAGE followed by western blot with 24989-1-AP (KHDC3L antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 colon cancer tissue slide using 24989-1-AP (KHDC3L antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).