

For Research Use Only

NDNL2 Polyclonal antibody

Catalog Number: 27488-1-AP **1 Publications**



Basic Information

Catalog Number: 27488-1-AP	GenBank Accession Number: BC053999	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 230 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 56160	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: necdin-like 2	
Isotype: IgG	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG26663	Observed MW: 38 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, L02 cells, HeLa cells, human placenta tissue
Cited Applications: WB	IHC : human liver cancer tissue,
Species Specificity: Human	IF : HepG2 cells,
Cited Species: human	

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

NDNL2 (also known as NSMCE3 or MAGEG1) is a part of the SMC5-6 protein complex that is essential for DNA damage response and chromosome segregation (PMID: 18086888; 27427983). The gene of human NDNL2 maps to chromosome 15q13.1. Northern blot analysis detected expression of a 1.9-kb transcript in all human tissues tested, with highest expression in testis (PMID: 11782285). Missense mutations in NSMCE3 have been associated with an autosomal recessive chromosome breakage syndrome that leads to defective T and B cell function and acute respiratory distress syndrome in early childhood (PMID: 27427983).

Notable Publications

Author	Pubmed ID	Journal	Application
Stephanie Pei Tung Yiu	35263599	Cell Rep	WB

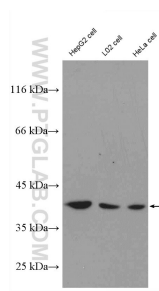
Storage

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

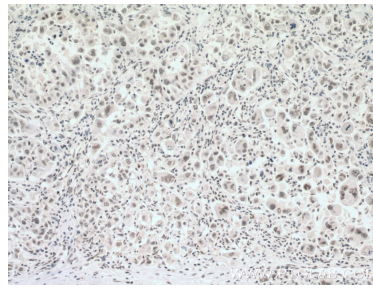
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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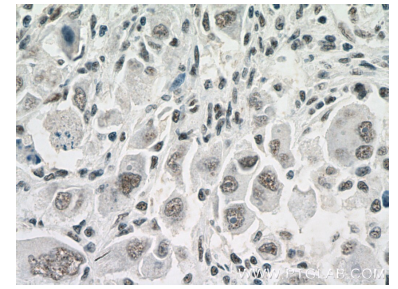
Selected Validation Data



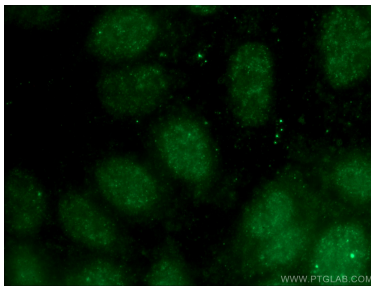
HepG2, L02 and HeLa cells were subjected to SDS PAGE followed by western blot with 27488-1-AP (NDNL2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27488-1-AP (NDNL2 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27488-1-AP (NDNL2 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 27488-1-AP (NDNL2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).