

For Research Use Only

ASUN Polyclonal antibody

Catalog Number: 19892-1-AP **4 Publications**



Basic Information

Catalog Number: 19892-1-AP	GenBank Accession Number: BC003081	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55726	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
Source: Rabbit	Full Name: chromosome 12 open reading frame 11	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 706 aa, 80 kDa	
Immunogen Catalog Number: AG13727	Observed MW: 70-80 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: ChIP, IF, IP, WB	WB: Jurkat cells, MCF-7 cells
Species Specificity: human	IP: MCF-7 cells,
Cited Species: human	IHC: human cervical cancer tissue, 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

Background Information

Asunder (ASUN) is a conserved protein that has been reported as a critical regulator of dynein localization during *Drosophila* spermatogenesis (PMID: 19357193). Mammalian and *Drosophila* ASUN proteins revealed that they are 43% identical and 64% similar. Human ASUN (also known as GCT1 or C12ORF11) promotes dynein recruitment and centrosomal tethering to the nucleus at mitotic entry (PMID: 23097494).

Notable Publications

Author	Pubmed ID	Journal	Application
Lauren G. Mascibroda	36229431	Nat Commun	WB
Bernd Stadelmayer	25410209	Nat Commun	ChIP, IP, WB
Hagai Marmor-Kollet	33217318	Mol Cell	IF

Storage

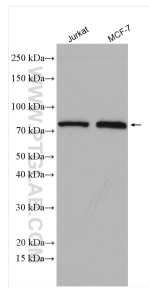
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

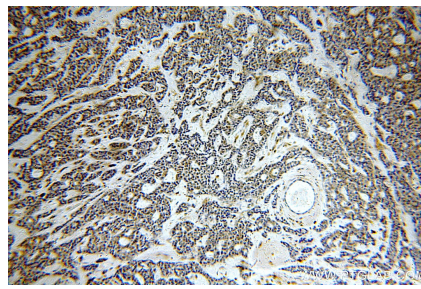
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

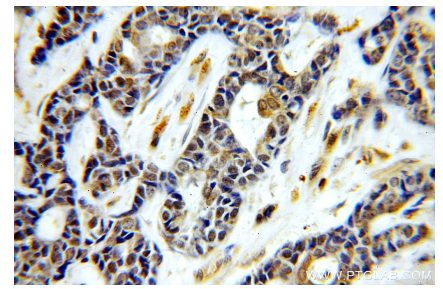
Selected Validation Data



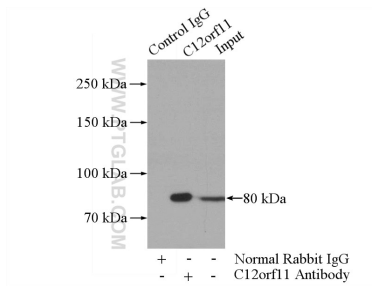
Various lysates were subjected to SDS PAGE followed by western blot with 19892-1-AP (ASUN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 19892-1-AP (ASUN antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 19892-1-AP (ASUN antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-ASUN (IP:19892-1-AP, 4ug; Detection:19892-1-AP 1:4000) with MCF-7 cells lysate 1040ug.