

For Research Use Only

# MLN51/CASC3 Polyclonal antibody

Catalog Number: 18047-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 18047-1-AP	<b>GenBank Accession Number:</b> BC050526	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22794	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15234	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> cancer susceptibility candidate 3	<b>IF/ICC 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG12694	<b>Calculated MW:</b> 703 aa, 76 kDa	
	<b>Observed MW:</b> 115-120 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : A2780 cells, MCF-7 cells, SKOV-3 cells
<b>Cited Applications:</b> WB, IF	<b>IHC :</b> human liver cancer tissue,
<b>Species Specificity:</b> human	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CASC3(cancer susceptibility candidate 3) is also named as MLN51 and belongs to the CASC3 family. It is induced by CSF2, and is important in the proliferation of RA fibroblast-like synoviocytes in the pathogenesis of rheumatoid arthritis (RA)(PMID:17101062). It is a nucleocytoplasmic protein containing, within its aminoterminal half, a coiled-coil domain followed by two nuclear localization signals (NLSs) responsible for nuclear localization and, in its carboxyl-terminal half, a nuclear export signal(NES) that mediates cytoplasmic retention. It possesses many potential phosphorylation sites and is found to be phosphorylated in both normal and cancer-derived cells. (PMID:17652158).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ivone G Bruno	21596314	Mol Cell	WB
Daguenet Elisabeth E	22419818	Mol Biol Cell	WB,IF

## Storage

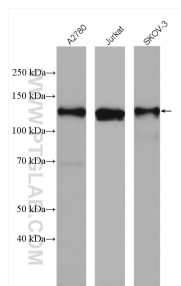
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

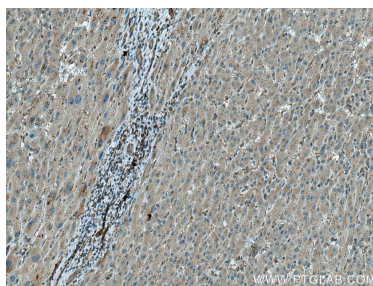
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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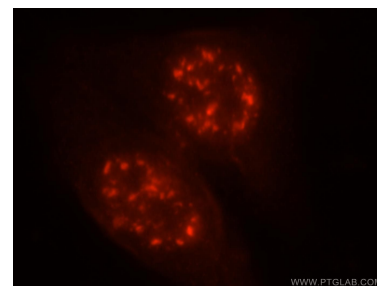
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18047-1-AP (MLN51/CASC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18047-1-AP (MLN51/CASC3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using CASC3 antibody 18047-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).