

MLN51/CASC3 Polyclonal antibody

Catalog Number: 18047-1-AP

2 Publications

Basic Information

Catalog Number:

18047-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12694

GenBank Accession Number:

BC050526

GeneID (NCBI):

22794

UNIPROT ID:

O15234

Full Name:

cancer susceptibility candidate 3

Calculated MW:

703 aa, 76 kDa

Observed MW:

115-120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

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

Positive Controls:

WB : A2780 cells, MCF-7 cells, SKOV-3 cells

IHC : human liver cancer tissue,

IF/ICC : HepG2 cells,

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

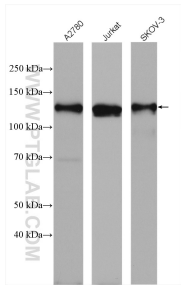
For technical support and original validation data for this product please contact:

T: 4006900926

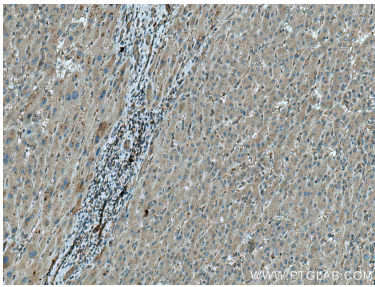
E: Proteintech-CN@ptglab.comW: ptgcn.com

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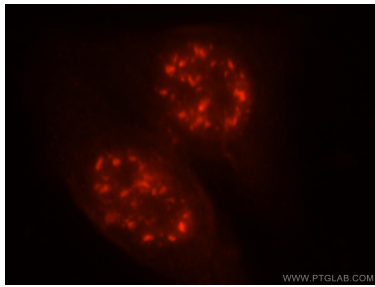
Selected Validation Data



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).