

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-SUMO2/3



Numéro de catalogue: 10947-1-AP

Phare

1 Publications

## Informations de base

Numéro de catalogue:

10947-1-AP

Taille:

150ul, Concentration: 600 µg/ml by Nanodrop and 347 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG1388

Numéro d'acquisition GenBank:

BC008450

Identification du gène (NCBI):

6613

Nom complet:

SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae)

MW calculé

11 kDa

MW observés:

18-20 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules HEK-293, cellules A549, cellules Jurkat, protéine protéine recombinante

IHC : tissu de cancer du côlon humain,

IF : cellules HEK-293,

## Informations générales

Ubiquitin is most famous for its function in targeting proteins for degradation by the 26S proteasome, ubiquitin needs to be attached to a substrate in chains (polyubiquitylation) before being recognized by proteasome. Similarly, SUMO (small ubiquitin-related modifier) can be linked to substrates in chains (polysumoylation), SUMO modification has been implicated in many important cellular processes including the control of genome stability, signal transduction, targeting to and formation of nuclear compartments, cell cycle and meiosis. There are 4 confirmed SUMO isoforms in human, SUMO-1, SUMO-2, SUMO-3 and SUMO-4. SUMO-2 and SUMO-3 are nearly identical but are distinct from SUMO-1. SUMO2/3 conjugation was recently widely involved in neuroprotective activities. A substitution (M55V) of SUMO4 was strongly associated with the pathogenesis of type 1 diabetes (T1D) involving NF kappa B related mechanisms.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Francesco Antoniani	37454169	Cell Death Discov	WB,IF

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

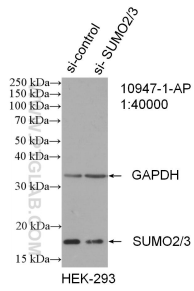
For technical support and original validation data for this product please contact:

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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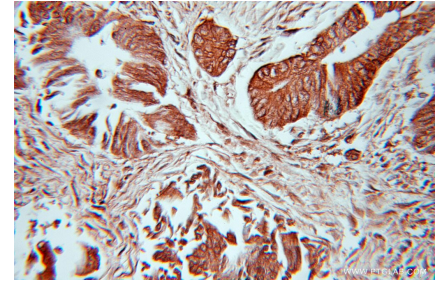
## Données de validation sélectionnées



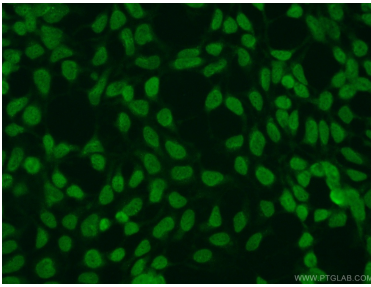
WB result of SUMO2/3 antibody (10947-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SUMO2/3 transfected HEK-293 cells.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10947-1-AP (SUMO2/3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10947-1-AP (SUMO2/3 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of HEK-293 cells using 10947-1-AP (SUMO2/3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).