

À des fins de recherche uniquement

Anticorps Monoclonal anti-SUMO2/3



Numéro de catalogue: 67154-1-Ig Phare

Informations de base

Numéro de catalogue: 67154-1-Ig	Numéro d'acquisition GenBank: BC008450	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 6613	CloneNo.: 1A1B3
Hôte: Mouse	Nom complet: SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae)	Dilutions recommandées: WB 1:1000-1:6000 IHC 1:250-1:1000 IF 1:400-1:1600
Isotype: IgG2b	MW calculé: 11 kDa	
Immunogen Catalog Number: AG28672	MW observés: 18 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Spécificité de l'espèce:

Humain, rat, souris

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 HSC-T6, cellules Jurkat, cellules K-562, cellules NIH/3T3, cellules PC-12

IHC : tissu de cancer de la prostate humain, tissu de cancer du sein humain

IF : cellules HeLa,

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.

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.

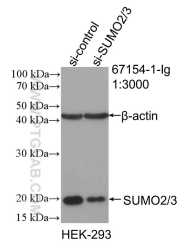
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

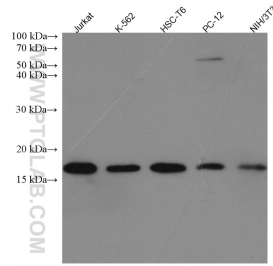
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

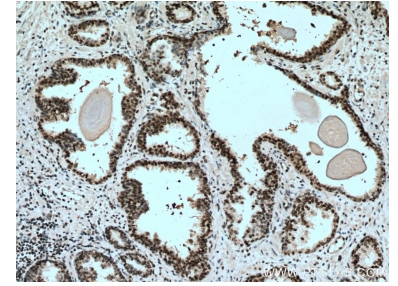
Données de validation sélectionnées



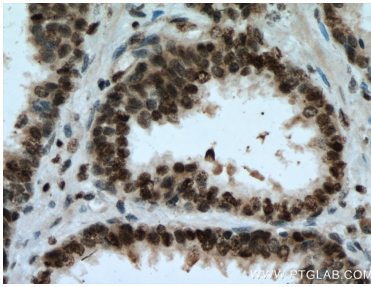
WB result of SUMO2/3 antibody (67154-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SUMO2/3 transfected HEK-293 cells.



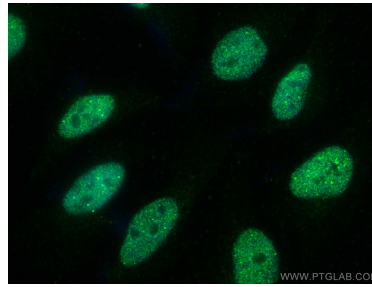
Various lysates were subjected to SDS PAGE followed by western blot with 67154-1-Ig (SUMO2/3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67154-1-Ig (SUMO2/3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67154-1-Ig (SUMO2/3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SUMO2/3 antibody (67154-1-Ig, Clone: 1A1B3) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).