

À des fins de recherche uniquement

Anticorps Monoclonal anti-Caspase 3(human specific)



Numéro de catalogue: 66470-1-Ig **65 Publications**

Informations de base

Numéro de catalogue: 66470-1-Ig	Numéro d'acquisition GenBank: BC016926	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 836	CloneNo.: 1E7F9
Hôte: Mouse	Nom complet: caspase 3, apoptosis-related cysteine peptidase	Dilutions recommandées: WB 1:500-1:2000 IHC 1:100-1:400 IF 1:50-1:500
Isotype: IgG2b	MW calculé: 277 aa, 32 kDa	
Immunogen Catalog Number: AG25029	MW observés: 32-35 kDa, 19 kDa, 17 kDa	

Applications

Applications testées: IF, IHC, WB, ELISA	Contrôles positifs: WB : cellules Jurkat, cellules HEK-293 IHC : tissu de cancer du sein humain, IF : cellules HeLa,
Demandes citées: IF, IHC, WB	
Spécificité de l'espèce: Humain	
Espèces citées: Humain, poisson-zèbre, rat, souris, Vache	

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

Informations générales

Casp3 (caspase 3), also named as CPP32, SCA-1 and Apopain, belongs to the peptidase C14A family. Caspase 3 is involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-Gly-217' bond. Caspase 3 cleaves and activates sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6, -7 and -9. CASP3 is involved in the cleavage of huntingtin. This antibody is specific for human caspase 3, it can recognize the 32 kDa pro-caspase 3 as well as 17 and 19 kDa cleaved-caspase 3.

Publications notables

Autrice	Pubmed ID	Journal	Application
Junxia Hu	31580970	Biomed Pharmacother	WB
Genquan Yue	31702026	Mol Med Rep	WB
Ruizhi Yao	30231545	Int J Mol Sci	WB

Stockage

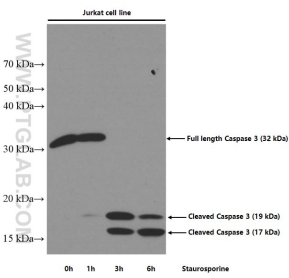
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

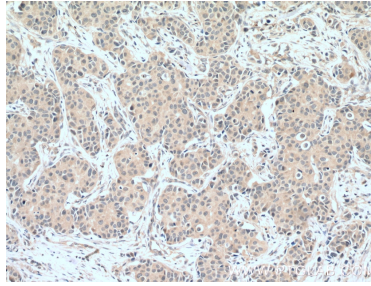
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

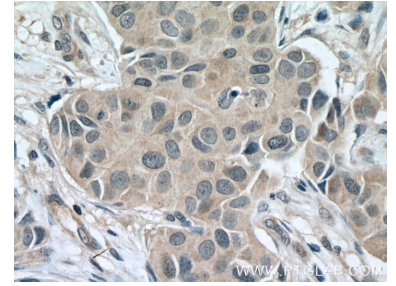
Données de validation sélectionnées



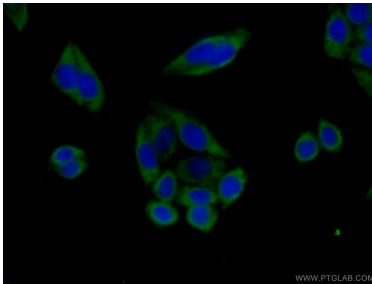
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 66470-1-Ig (CASP3(human specific) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66470-1-Ig (CASP3(human specific) antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66470-1-Ig (CASP3(human specific) antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66470-1-Ig (Caspase 3(human specific) antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).