

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-Caspase 9 (Ser196)



Numéro de catalogue: CL555-80346

Informations de base

Numéro de catalogue: CL555-80346	Numéro d'acquisition GenBank: BC002452	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 842	CloneNo.: 3P16
Hôte: Lapin	Nom complet: caspase 9, apoptosis-related cysteine peptidase	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Isotype: IgG	MW calculé: 46 kDa	
	MW observés: 46 kDa, 35 kDa	

Applications

Applications testées:
FC (Intra)

Spécificité de l'espèce:
Humain, souris

Informations générales

Caspase 9 also name as MCH6, APAF3, APAF-3, ICE-LAP6 and CASPASE-9c, is a member of the cysteine-aspartic acid protease (caspase) family. It's synthesized as a 46kDa precursor protein which can be cleaved into a 35kDa subunit and a 11kDa subunit. The phosphorylated type can be detected at 55kDa and 35kDa. It plays a central role in the mitochondrial or intrinsic apoptotic pathway that is engaged in response to many apoptotic stimuli. Once activated, caspase-9 cleaves and activates the effector caspases 3 and 7 to bring about apoptosis. It can be phosphorylated by PKB/AKT1 at Ser196, this modification will downregulate its activity and decrease apoptosis. Akt phosphorylation site found in human caspase 9 is absent in mouse caspase 9. It's reported that there is an increase in caspase 9 expression and activity in the hypoxic brain. Inhibition of Caspase 9 activity would render opportunity to treat neurological diseases such as stroke, neurodegenerative diseases or brain injury caused by hypoxia. (PMID: 19788417, PMID: 10529400, PMID: 9812896, PMID: 18840507)

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

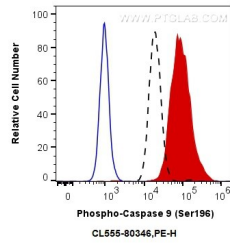
For technical support and original validation data for this product please contact:

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



1X10⁶ HeLa cells untreated (dashed lines) or Calyculin A treated HeLa cells were intracellularly stained with 0.25 ug Coralite®555 Anti-Human Phospho-Caspase 9 (Ser196) (CL555-80346, Clone:3P16) (red), or 0.25 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 90% MeOH.