

À des fins de recherche uniquement

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



Numéro de catalogue: **CL594-80346**

Informations de base

Numéro de catalogue:

CL594-80346

Taille:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

BC002452

Identification du gène (NCBI):

842

Nom complet:

caspase 9, apoptosis-related cysteine peptidase

MW calculé

46 kDa

MW observés:

46 kDa, 35 kDa

Méthode de purification:

Purification par protéine A

CloneNo.:

3P16

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

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.

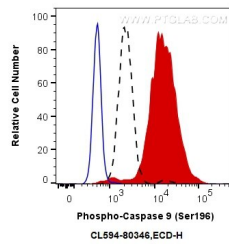
For technical support and original validation data for this product please contact:

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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®594 Anti-Human Phospho-Caspase 9 (Ser196) (CL594-80346, Clone:3P16) (red), or 0.25 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 90% MeOH.