

À des fins de recherche uniquement

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



Numéro de catalogue: CL647-80346

## Informations de base

<b>Numéro de catalogue:</b> CL647-80346	<b>Numéro d'acquisition GenBank:</b> BC002452	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 842	<b>CloneNo.:</b> 3P16
<b>Hôte:</b> Lapin	<b>Nom complet:</b> caspase 9, apoptosis-related cysteine peptidase	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG	<b>MW calculé:</b> 46 kDa	
	<b>MW observés:</b> 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.

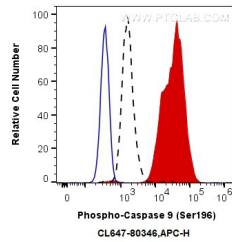
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## Données de validation sélectionnées



1X10<sup>6</sup> HEK-293 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug CoraLite® Plus 647 Anti-Human Phospho-Caspase 9 (Ser196) (CL647-80346, Clone:3P16), or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 80% MeOH.