

Phospho-Caspase 9 (Ser196) Rekombinanter Antikörper

Katalog-Nr.: CL594-80346

Allgemeine Informationen

Katalog-Nr.: CL594-80346	GenBank-Zugangsnummer: BC002452	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von 842 Nanodrop;	GeneID (NCBI): von 842	CloneNo.: 3P16
Wirt: Kaninchen	Vollständiger Name: caspase 9, apoptosis-related cysteine peptidase	Anregungs-/Emissionsmaxima- Wellenlängen: 588 nm / 604 nm
Isotyp: IgG	Berechnete Masse: 46 kDa	
	Beobachtete Masse: 46 kDa, 35 kDa	

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human, Maus

Hintergrundinformationen

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)

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

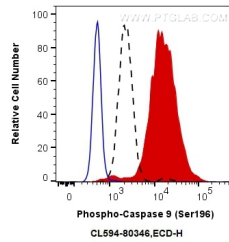
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% 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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Ausgewählte Validierungsdaten



1×10^6 HeLa cells untreated (dashed lines) or Calyculin A treated HeLa cells were intracellularly stained with 0.25 μ g CoraLite®594 Anti-Human Phospho-Caspase 9 (Ser196) (CL594-80346, Clone:3P16) (red), or 0.25 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with 90% MeOH.