

Nur für Forschungszwecke

Phospho-Caspase 9 (Thr125) Monoklonaler Antikörper



Katalog-Nr.: 68136-1-Ig

Allgemeine Informationen

Katalog-Nr.: 68136-1-Ig	GenBank-Zugangsnummer: BC002452	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ul, Konzentration: 1000 µg/ml von 842 Nanodrop;	GeneID (NCBI): 1000000000	CloneNo.: 1B5E11
Wirt: Maus	Vollständiger Name: caspase 9, apoptosis-related cysteine peptidase	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG1	Berechnete Masse: 46 kDa	
	Beobachtete Masse: 36 kDa	

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

Getestete Reaktivität:
Human, Ratte

Positivkontrollen:

WB: HeLa-Zellen, Mit Calyculin A behandelte HeLa-Zellen, mit Calyculin A behandelte HSC-T6-Zellen, mit Calyculin A behandelte Jurkat-Zellen

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 46 kDa precursor protein which can be cleaved into a 35 kDa subunit and a 11 kDa subunit. Control of all caspases is tightly regulated by a series of phosphorylation events enacted by several different kinases. Caspase-9 is the most heavily phosphorylated of all caspases, with phosphorylation of at least 11 distinct residues in all three caspase-9 domains by nine kinases. 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'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, PMID: 29066624)

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern.

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

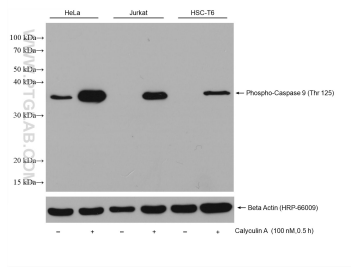
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Ausgewählte Validierungsdaten



Non-treated and Calyculin A treated cells were subjected to SDS PAGE followed by western blot with 68136-1-Ig (Phospho-Caspase 9 (Thr125) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody as loading control.