

Allgemeine Informationen

Katalog-Nr.: 16765-1-AP	GenBank-Zugangsnummer: BC013142	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 300 µg/ml von Nanodrop;	GeneID (NCBI): 3552	Empfohlene Verdünnungen: WB 1:500-1:2000 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: interleukin 1, alpha	
Isotyp: IgG	Berechnete Masse: 271 aa, 31 kDa	
Immunogen Katalognummer: AG10339	Beobachtete Masse: 30 kDa	

Anwendungen

Geprüfte Anwendungen: IF, WB, ELISA	Positivkontrollen: WB : PMA, LPS and Brefeldin A treated THP-1 cells, humanes Plazenta-Gewebe, Mauslebergewebe, Mauslungengewebe IF : RAW 264.7-Zellen,
In Publikationen genannte Anwendungen: ELISA, IF, IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

Interleukin-1 α (IL-1 Alpha) is a protein that plays a crucial role in the regulation of a number of key cellular processes. IL-1 Alpha is a cytokine and a potent mediator of body's response to inflammation, microbial invasion, tissue injury and immunological response. In addition, recent studies suggest that IL-1 Alpha also has a role in wound healing, rheumatoid arthritis, Alzheimer's disease and tumor growth. IL-1 Alpha functions as an alarmin during the process of sterile inflammation. It serves as a signal from dying cells to potentiate the inflammatory response, increasing the expression of other secreted factors like IL-6 and IL-8. IL-1 Alpha was found to affect the cell cycle of osteosarcoma cell to reduce cell growth. IL-1 Alpha is initially translated as approximately 30-kD polypeptides that are processed to approximately 17.5-kD polypeptides prior to, or during, release from macrophages.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Wenlong Zhao	36116152	Int Immunopharmacol	WB
Zhifeng Zhao	33173984	Mol Med Rep	IHC
Nao Kimura	31757582	J Tissue Viability	IHC

Lagerung

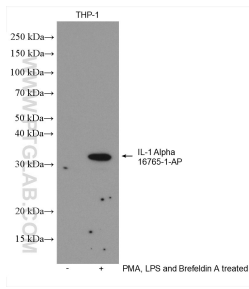
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

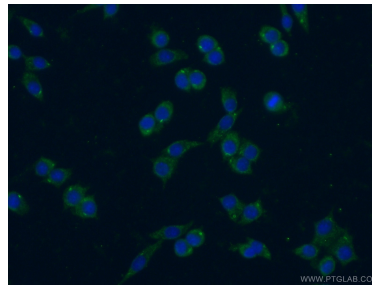
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Ausgewählte Validierungsdaten



Untreated THP-1 cells, THP-1 cells (treated with 50 nM PMA and 5 ug/ml LPS for 24 hours, with addition of 300ng/ml Brefeldin A for the last 3 hours.) were subjected to SDS PAGE followed by western blot with 16765-1-AP (IL-1 Alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using 16765-1-AP (IL 1 alpha antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).