

Nur für Forschungszwecke

IRG1 Polyklonaler Antikörper

Katalog-Nr.: 28436-1-AP



Allgemeine Informationen

Katalog-Nr.: 28436-1-AP	GenBank-Zugangsnummer: NM_001258406	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 1000 µg/ml von 730249	GeneID (NCBI): 730249	Empfohlene Verdünnungen: WB 1:500-1:2000
Nanodrop;	Vollständiger Name: immunoresponsive 1 homolog (mouse)	
Wirt: Kaninchen	Berechnete Masse: 53 kDa	
Isotyp: IgG	Beobachtete Masse: 50 kDa	
Immunogen Katalognummer: AG28913		

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : IFN gamma+LPS treated THP-1 cells,
Getestete Reaktivität: Human	

Hintergrundinformationen

The host Immune-Responsive Gene 1 (IRG1; also called Aco1) is a mitochondrial enzyme induced under inflammatory conditions that produces the metabolite itaconate by decarboxylating cis-aconitate, a TCA cycle intermediate. Gene expression profiling studies of murine macrophages and microglial cells have revealed that IRG1 is highly expressed under pro-inflammatory conditions. Furthermore, IRG1 is highly expressed in the pregnant uterus during the early events leading to implantation, the specific phase of pregnancy in which high levels of inflammatory cytokines are secreted. IRG1 localizes to the mitochondria and may represent a key link between immunological and metabolic processes. IRG1 has crucial functions in embryonic implantation and neurodegeneration. Also, IRG1 promotes endotoxin tolerance by increasing A20 expression in macrophages via increased ROS production. (PMID: 25640654)

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

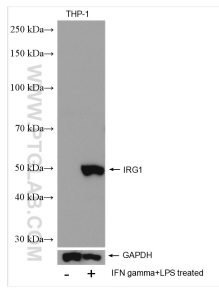
For technical support and original validation data for this product please contact:

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Ausgewählte Validierungsdaten



IFN gamma+LPS treated THP-1 cells were subjected to SDS PAGE followed by western blot with 28436-1-AP (IRG1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.