

Nur für Forschungszwecke

IRAK1 Polyklonaler Antikörper

Katalog-Nr.:10478-2-AP

Vorgestelltes Produkt

30 Publikationen



Allgemeine Informationen

Katalog-Nr.: 10478-2-AP	GenBank-Zugangsnummer: BC014963	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 750 µg/ml von Nanodrop;	GeneID (NCBI): 3654	Empfohlene Verdünnungen: WB 1:500-1:3000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: interleukin-1 receptor-associated kinase 1	IHC 1:300-1:1200 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 77 kDa	
Immunogen Katalognummer: AG0728	Beobachtete Masse: 68-80 kDa	

Anwendungen

Geprüfte Anwendungen:

FC (Intra), IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB: A549-Zellen, HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, MCF-7-Zellen, PC-12-Zellen, PC-13-Zellen, RAW 264.7-Zellen

IP: HeLa-Zellen,

IHC: humanes Lungenkarzinomgewebe,

IF: HeLa-Zellen,

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

Interleukin-1 receptor-associated kinases (IRAKs) are a unique family of death domain containing protein kinases that play a key role in initiating innate immune response against foreign pathogens. They are involved in Toll-like receptor (TLR) and interleukin-1 receptor (IL-1R) signaling pathways. IRAK1 is the first member of this kinase family. Upon ligand binding to TLR/IL-1R, IRAK1 is recruited by MYD88 to the receptor-signaling complex, the association leads to IRAK1 phosphorylation by IRAK4 and subsequent autophosphorylation and kinase activation. Hyperphosphorylated IRAK1 then disengages from the receptor complex, and forms a cytosolic IRAK1-TRAF6 complex. TRAF6 then interacts with TAK and TAB, resulting in eventual activation of the NF- κ B and MAPK pathways. Phosphorylated IRAK1 also undergoes ubiquitin-mediated degradation or sumoylation, which results in nuclear translocation and transcriptional activation of inflammatory target genes. (PMID: 17890055; 12620219)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yingyin Xu	34552579	Front Microbiol	WB
Xiaoqin Ma	34777686	Oxid Med Cell Longev	WB
Huaqi Zhang	36337656	Front Nutr	WB

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

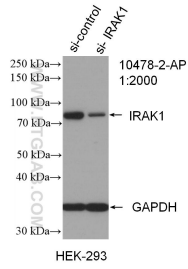
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

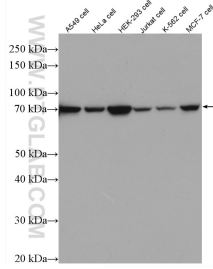
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

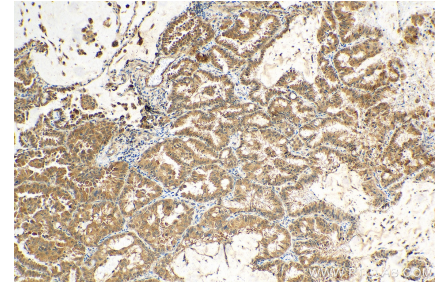
Ausgewählte Validierungsdaten



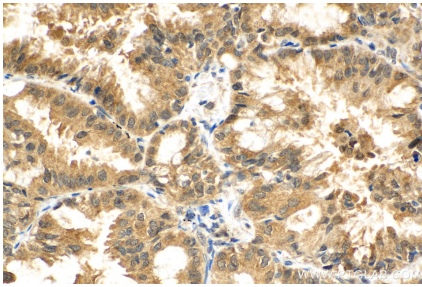
WB result of IRAK1 antibody (10478-2-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IRAK1 transfected HEK-293 cells.



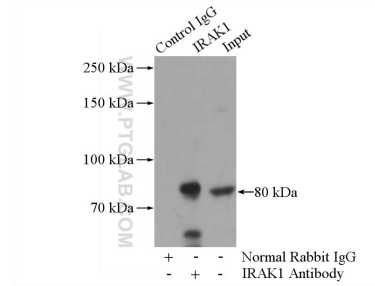
Various lysates were subjected to SDS PAGE followed by western blot with 10478-2-AP (IRAK1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



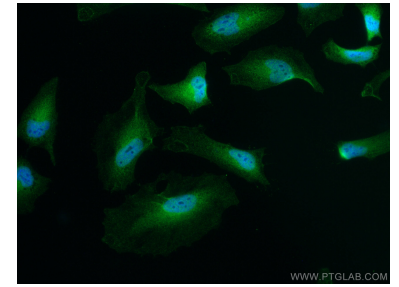
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10478-2-AP (IRAK1 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



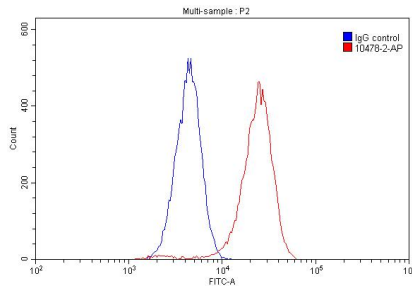
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10478-2-AP (IRAK1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-IRAK1 (IP:10478-2-AP, 4ug; Detection:10478-2-AP 1:600) with HeLa cells lysate 2800ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using IRAK1 antibody (10478-2-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL555-Phalloidin (orange).



1x10⁶ HeLa cells were stained with 0.20ug IRAK1 antibody (10478-2-AP, red) and control antibody (blue). Fixed with 90% MeOH.