À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-IRAK1

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:10478-2-AP Phare 30 Publications

Informations de base

Numéro de catalogue:
10478-2-AP

Taille:
150ul , Concentration: 750 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0728

Numéro d'acquisition GenBank:
BC014963

Identification du gène (NCBI):
3654

Nom complet:
interleukin-1 receptor-associated kinase 1

MW calculé
77 kDa

MW observés:
68-80 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:300-1:1200
IF 1:50-1:500

Applications

Applications testées:
FC (Intra), IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

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

IP : cellules HeLa,

IHC : tissu de cancer du poumon humain,

IF : cellules HeLa,

Informations générales

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. Hyper-phosphorylated 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-κB 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)

Publications notables

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

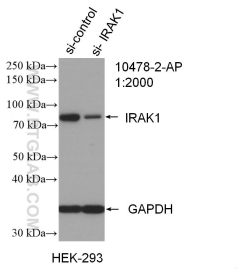
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

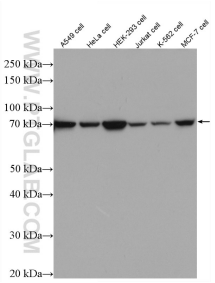
*** Les 20ul contiennent 0,1% de BSA.

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

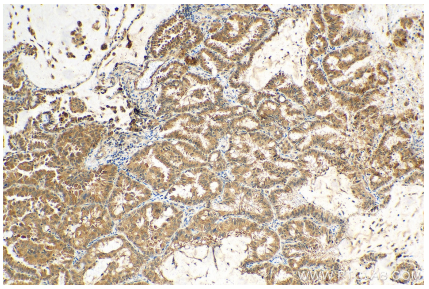
Données de validation sélectionnées



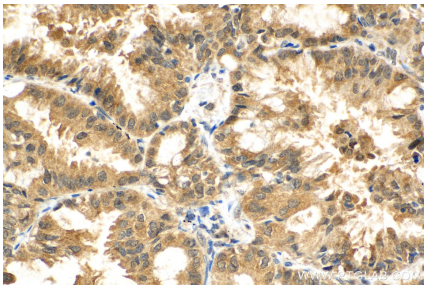
WB result of IRAK1 antibody (10478-2-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IRAK1 transfected HEK-293 cells.



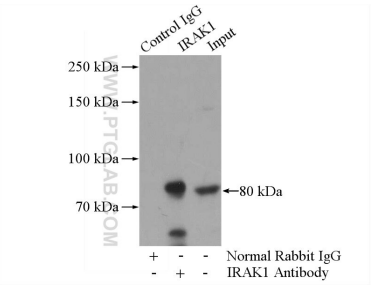
Various lysates were subjected to SDS PAGE followed by western blot with 10478-2-AP (IRAK1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



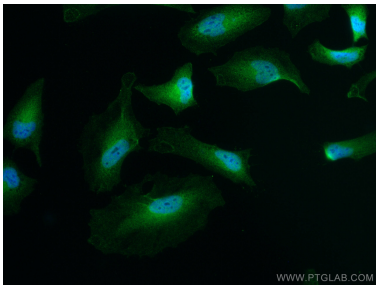
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10478-2-AP (IRAK1 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



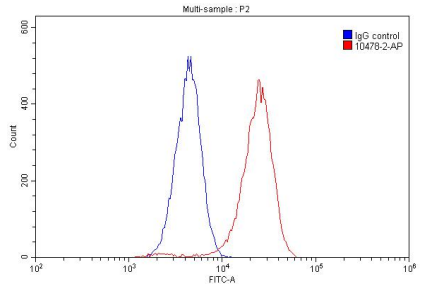
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10478-2-AP (IRAK1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1X10^6 HeLa cells were stained with 0.20ug IRAK1 antibody (10478-2-AP, red) and control antibody (blue). Fixed with 90% MeOH.