

À des fins de recherche uniquement

Anticorps Monoclonal anti-IRAK1

Numéro de catalogue: 66653-1-Ig

Phare

3 Publications



Informations de base

Numéro de catalogue: 66653-1-Ig	Numéro d'acquisition GenBank: BC014963	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1440 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 3654	CloneNo.: 1H10A7
Hôte: Mouse	Nom complet: interleukin-1 receptor-associated kinase 1	Dilutions recommandées: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgG2a	MW calculé: 77 kDa	
Immunogen Catalog Number: AG0728	MW observés: 80 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

IF, IHC

Spécificité de l'espèce:

Humain

Espèces citées:

Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules Jurkat, cellules MCF-7

IHC : tissu de cancer du poumon humain,

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. 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-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
Gang Xu	33664485	Cell Mol Immunol	IF
Xiaoli Zhang	37676254	Biol Reprod	IHC
Jing Li	37031183	Cell Death Dis	IF

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.

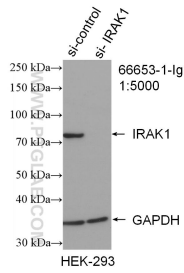
For technical support and original validation data for this product please contact:

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

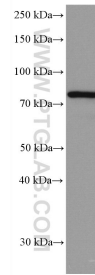
E: proteintech@ptglab.com
W: ptglab.com

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

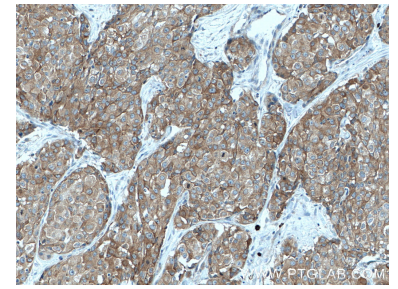
Données de validation sélectionnées



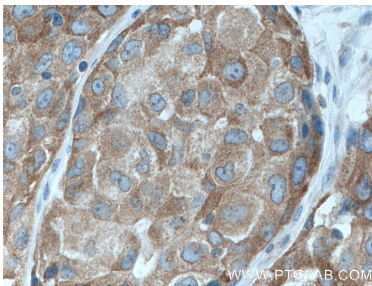
WB result of IRAK1 antibody (66653-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IRAK1 transfected HEK-293 cells.



HeLa cells were subjected to SDS PAGE followed by western blot with 66653-1-Ig (IRAK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66653-1-Ig (IRAK1 antibody) at dilution of 1:500 (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 66653-1-Ig (IRAK1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).