

À des fins de recherche uniquement

# Anticorps Monoclonal anti-TNFR1

Numéro de catalogue: 60192-1-Ig

Phare

8 Publications



## Informations de base

Numéro de catalogue: 60192-1-Ig	Numéro d'acquisition GenBank: BC010140	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2300 µg/ml by Nanodrop and 1440 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 7132	CloneNo.: 2A6E3
Hôte: Mouse	Nom complet: tumor necrosis factor receptor superfamily, member 1A	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG1	MW calculé: 455 aa, 50 kDa	
Immunogen Catalog Number: AG16112	MW observés: 50-55 kDa	

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
FC, IF, IHC, WB

Spécificité de l'espèce:  
Humain, porc, rat, souris

Espèces citées:  
Humain, souris

**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 : tissu cérébral de porc, cellules A549, cellules Daudi, cellules HL-60, cellules Raji, tissu cérébral humain

IHC : tissu de cancer du foie humain, tissu de cancer du côlon humain

IF : tissu de cancer du foie humain,

## Informations générales

Tumor necrosis factor (TNF) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNF exists in soluble and membrane-bound forms. TNF signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a) and TNFR2 (TNFRSF1B, CD120b). Whereas TNFR1 is widely expressed, expression of TNFR2 is limited to cells of the immune system, endothelial cells, and nerve cells (PMID: 22053109). TNFR1, which contains a death domain (DD) within its intracytoplasmic region, is thought to be the key receptor for TNF signaling (PMID: 16407280). This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Xing-Wei Jin	34984178	Transl Androl Urol	IHC
Qian Chen	30187338	Inflammation	
Min Zhang	35603220	Front Immunol	WB,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.

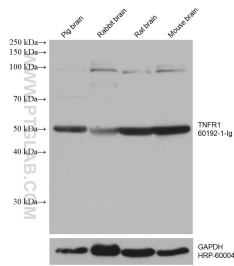
For technical support and original validation data for this product please contact:

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

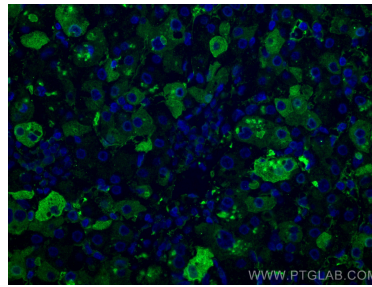
E: proteintech@ptglab.com  
W: ptglab.com

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

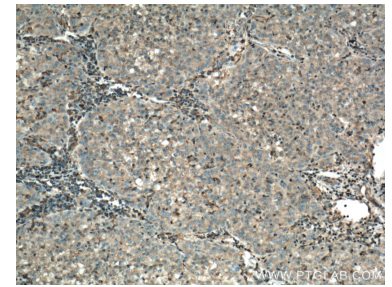
## Données de validation sélectionnées



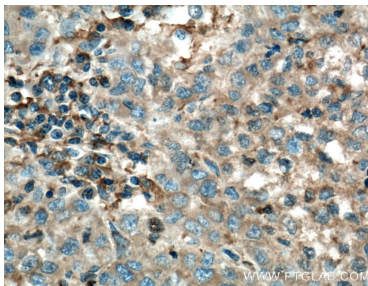
Various lysates were subjected to SDS PAGE followed by western blot with 60192-1-Ig (TNFR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



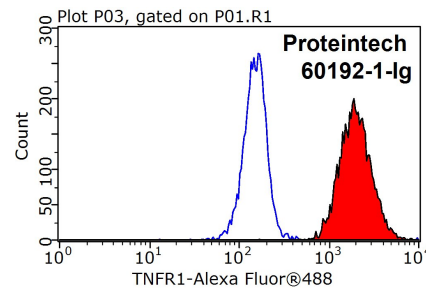
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using TNFR1 antibody (60192-1-Ig, Clone: 2A6E3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



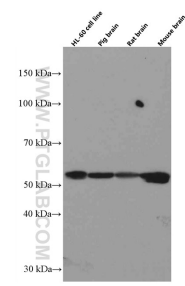
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60192-1-Ig (TNFR1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



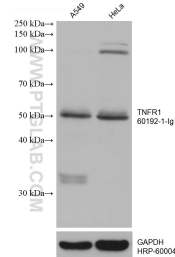
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60192-1-Ig (TNFR1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> Raji cells were stained with 0.2ug TNFR1 antibody (60192-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.



HL-60 cells, pig brain tissue, rat brain tissue and human brain tissue were subjected to SDS PAGE followed by western blot with 60192-1-Ig (TNFR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 60192-1-Ig (TNFR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.