

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NOX2



Numéro de catalogue: 19013-1-AP

Phare

135 Publications

Informations de base

Numéro de catalogue: 19013-1-AP	Numéro d'acquisition GenBank: BC032720	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 650 µg/ml by Nanodrop;	Identification du gène (NCBI): 1536	Dilutions recommandées: WB 1:2000-1:8000 IHC 1:500-1:2000 IF 1:50-1:500
Hôte: Lapin	Nom complet: cytochrome b-245, beta polypeptide	
Isotype: IgG	MW calculé 577 aa, 65 kDa	
Immunogen Catalog Number: AG5536	MW observés: 55 kDa	

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
canin, Humain, Lapin, porc, 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 : tissu splénique de souris, cellules Jurkat, cellules Raji, plasma humain, tissu cérébral de souris, tissu splénique de rat

IHC : tissu d'amygdalite humaine, tissu splénique de souris

IF : tissu cérébral de souris, tissu d'amygdalite humaine

Informations générales

NOX2, also named as CYBB, CGD, 91-phox, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, cytochrome b-245 and beta polypeptide, is a critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. This full length protein has three glycosylation sites. CYBB is found in human cardiomyocytes as multiple bands: the signal between 55 and 65 kDa is probably the unglycosylated protein, because the predicted molecular weight of unglycosylated CYBB protein is approximately 58 kDa to 65 kDa in phagocytes and the bands around 80 kDa probably represent glycosylated CYBB, as has also been shown in human umbilical vein endothelial cells (PMID:12610097). In other reports, it also can be detected a band of 91 kDa (PMID:19965781). In our results, it reveals the bands of 55-65 kDa and 80 kDa besides a band of 140 kDa that we do not find the reason.

Publications notables

Autrice	Pubmed ID	Journal	Application
Zi-Chao Wang	36163178	Cell Death Dis	WB
Jingyu Song	31564534	J Sex Med	
Jing Li	31616516	Exp Ther Med	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.

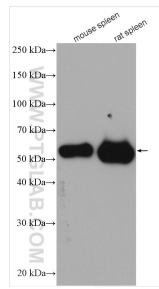
For technical support and original validation data for this product please contact:

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

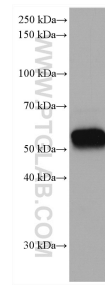
E: proteintech@ptglab.com
W: ptglab.com

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

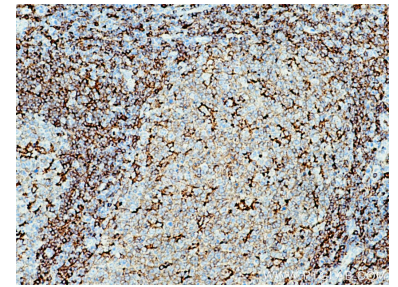
Données de validation sélectionnées



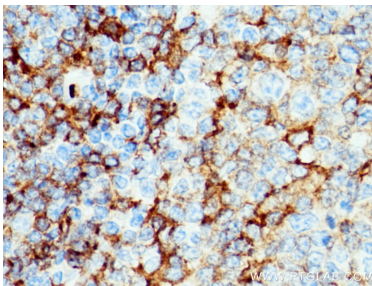
Various lysates were subjected to SDS PAGE followed by western blot with 19013-1-AP (NOX2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



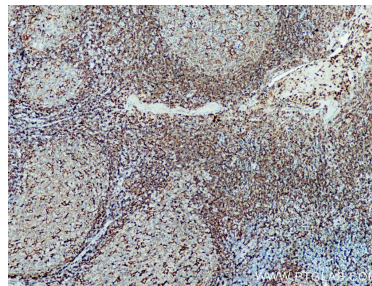
mouse spleen tissue were subjected to SDS PAGE followed by western blot with 19013-1-AP (NOX2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



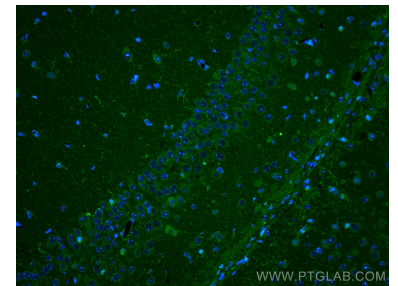
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19013-1-AP (NOX2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



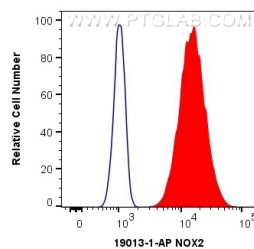
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19013-1-AP (NOX2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19013-1-AP (NOX2 antibody) at dilution of 1:1000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using NOX2 antibody (19013-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 RAW 264.7 cells were intracellularly stained with 0.4 ug Anti-Human NOX2 (19013-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).