

Allgemeine Informationen

Katalog-Nr.: 19013-1-AP	GenBank-Zugangsnummer: BC032720	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 650 µg/ml von Nanodrop;	GeneID (NCBI): 1536	Empfohlene Verdünnungen: WB 1:2000-1:8000 IHC 1:500-1:2000 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: cytochrome b-245, beta polypeptide	
Isotyp: IgG	Berechnete Masse: 577 aa, 65 kDa	
Immunogen Katalognummer: AG5536	Beobachtete Masse: 55 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Hund, Kaninchen, Maus, Ratte

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

Positivkontrollen:

WB: Mausmilzgewebe, Jurkat-Zellen, Maushirngewebe, Raji-Zellen, Rattenmilzgewebe

IHC: humanes Tonsillitisgewebe, Mausmilzgewebe

IF: Maushirngewebe, humanes Tonsillitisgewebe

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zi-Chao Wang	36163178	Cell Death Dis	WB
Jingyu Song	31564534	J Sex Med	
Jing Li	31616516	Exp Ther Med	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**

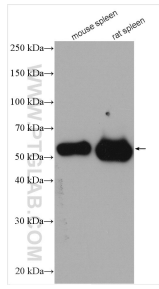
For technical support and original validation data for this product please contact:

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

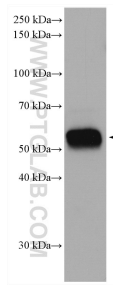
E: proteintech@ptglab.com
W: ptglab.com

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

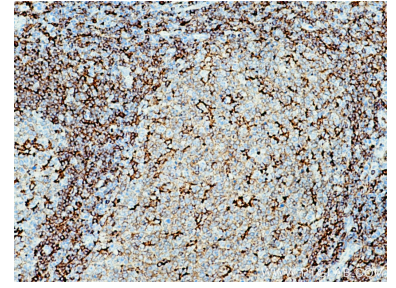
Ausgewählte Validierungsdaten



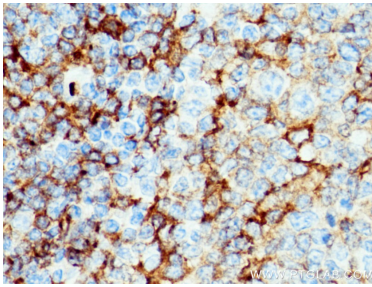
Various lysates were subjected to SDS PAGE followed by western blot with 19013-1-AP (NOX2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



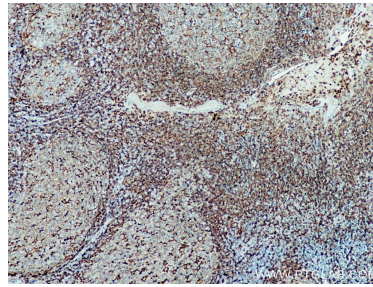
mouse spleen tissue were subjected to SDS PAGE followed by western blot with 19013-1-AP (NOX2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



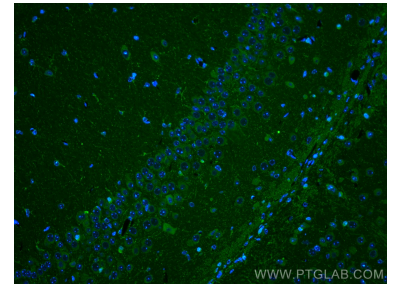
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19013-1-AP (NOX2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).