

Allgemeine Informationen

Katalog-Nr.: 21218-1-AP	GenBank-Zugangsnummer: BC110998	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 550 µg/ml von Nanodrop;	GeneID (NCBI): 6256	Empfohlene Verdünnungen: WB 1:500-1:1000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: retinoid X receptor, alpha	IHC 1:20-1:200 IF 1:10-1:100
Isotyp: IgG	Berechnete Masse: 462 aa, 51 kDa	
Immunogen Katalognummer: AG15651	Beobachtete Masse: 50-54 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

ChIP, IF, IHC, IP, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Ente, Hausschwein, Human, Maus, Ratte

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

Positivkontrollen:

WB : MCF7 cells, MCF-7-Zellen, Rattenlebergewebe

IP : MCF-7-Zellen, HCT 116-Zellen

IHC : humanes Nierengewebe,

IF : HeLa-Zellen,

Hintergrundinformationen

Retinoid X receptor alpha (RXRA). Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. The high-affinity ligand for RXRs is 9-cis retinoic acid. RXRA serves as a common heterodimeric partner for a number of nuclear receptors. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of a ligand, the RXR-RAR heterodimers associate with a multiprotein complex containing transcription corepressors that induce histone acetylation, chromatin condensation, and transcriptional suppression. On ligand binding, the corepressors dissociate from the receptors and associate with the coactivators leading to transcriptional activation. The RXRA/PPARA heterodimer is required for PPARA transcriptional activity on fatty acid oxidation genes such as ACOX1 and the P450 system genes. This antibody is a rabbit polyclonal antibody raised against the 350 AA of human RXRA C-terminal. RXRA is highly expressed in the liver, and also expressed in the lungs, kidneys, and heart. It can recognize the the mature 54 kDa RXRA and the truncated 44 kD RXRA.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ai-Guo Wang	25218146	Biochem Biophys Res Commun	WB
Liuqin He	30346763	J Agric Food Chem	IHC
Subir Kumar Juin	34680110	Biomolecules	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

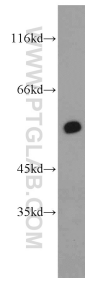
For technical support and original validation data for this product please contact:

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

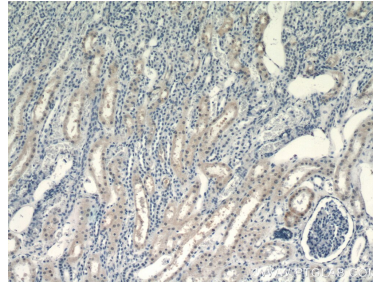
E: proteintech@ptglab.com
 W: ptglab.com

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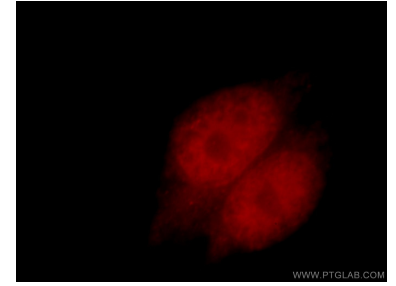
Ausgewählte Validierungsdaten



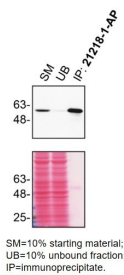
MCF7 cells were subjected to SDS PAGE followed by western blot with 21218-1-AP (RXRA antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



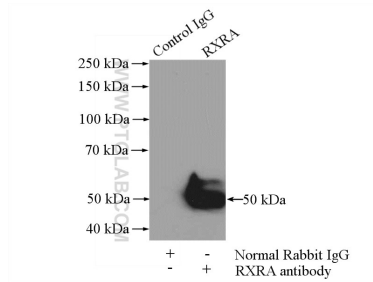
Immunohistochemical analysis of paraffin-embedded human kidney using 21218-1-AP (RXRA antibody) at dilution of 1:200 (under 10x lens).



Immunofluorescent analysis of HeLa cells, using RXRA antibody 21218-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



HCT 116 lysates prepared and IP of RXRA performed using 1.0 µg of 21218-1-AP coupled to protein A-Sepharose beads. The Ponceau stained transfers of each blot are shown. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



IP Result of anti-RXRA (IP:21218-1-AP, 4µg; Detection:21218-1-AP 1:600) with MCF-7 cells lysate 800µg.