

Nur für Forschungszwecke

CCDC111/PRIMPOL Polyklonaler Antikörper



Katalog-Nr.: 29824-1-AP

Vorgestelltes Produkt

Allgemeine Informationen

Katalog-Nr.: 29824-1-AP	GenBank-Zugangsnummer: BC064600	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 650 µg/ml von Nanodrop;	GeneID (NCBI): 201973	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:200-1:800
Wirt: Kaninchen	Vollständiger Name: coiled-coil domain containing 111	
Isotyp: IgG	Beobachtete Masse: 64 kDa	
Immunogen Katalognummer: AG31478		

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

Getestete Reaktivität:

Human

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

Positivkontrollen:

WB: A549-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen

IHC: humanes Nierengewebe,

IF: A431-Zellen,

Hintergrundinformationen

CCDC111, also known as PRIMPOL, FLJ33167, which contains the active-site motifs of AEP primases and a putative Zn finger similar to that of herpesvirus UL52 primase and other AEP-like enzymes. CCDC111 is required to facilitate mitochondrial and nuclear replication fork progression by initiating de novo DNA synthesis using dNTPs and acting as an error-prone DNA polymerase able to bypass certain DNA lesions (PMID: 24126761, PMID: 24207056). In addition to its role in DNA damage response, also required to maintain efficient nuclear and mitochondrial DNA replication in unperturbed cells (Uniprot, PMID: 30715459).

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

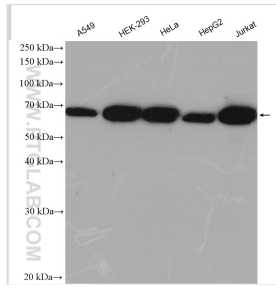
For technical support and original validation data for this product please contact:

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

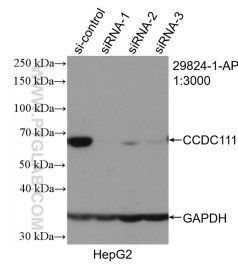
E: proteintech@ptglab.com
W: ptglab.com

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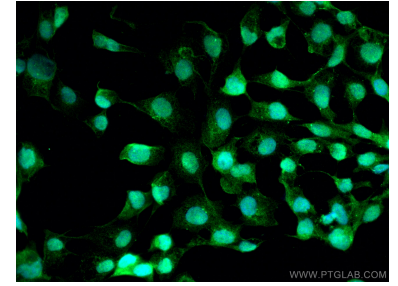
Ausgewählte Validierungsdaten



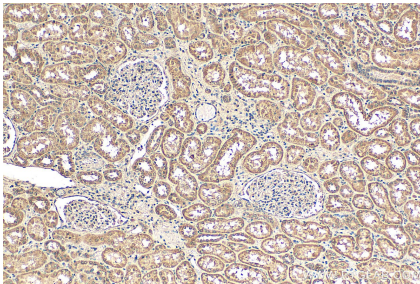
Various lysates were subjected to SDS PAGE followed by western blot with 29824-1-AP (CCDC111/PRIMPOL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of CCDC111/PRIMPOL antibody (29824-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCDC111/PRIMPOL transfected HepG2 cells.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CCDC111 antibody (29824-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 29824-1-AP (CCDC111/PRIMPOL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).