

Nur für Forschungszwecke

# DDX20 Polyklonaler Antikörper

Katalog-Nr.: 11324-1-AP

Vorgestelltes Produkt

7 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
11324-1-AP

Größe:

150ul, Konzentration: 1200 µg/ml von 11218

Nanodrop und 533 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG1863

GenBank-Zugangsnummer:

BC011556

GeneID (NCBI):

11218

Vollständiger Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 20

Berechnete Masse:

824 aa, 92 kDa

Beobachtete Masse:

100 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:10000

IP 0.5-4.0 µg für IP und 1:1000-1:4000 für WB

IHC 1:50-1:500

IF 1:20-1:200

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human

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

Positivkontrollen:

WB: HEK-293T-Zellen, HeLa-Zellen, Jurkat-Zellen, Maushodengewebe

IP: HeLa-Zellen,

IHC: humanes Mammakarzinomgewebe, humanes Kolonkarzinomgewebe

IF: HepG2-Zellen, HeLa-Zellen

## Hintergrundinformationen

DEAD (Asp-Glu-Ala-Asp) box polypeptide 20 (DDX20), also known as DP103 or Gemin3, is a member of the DEAD box protein family expressed ubiquitously. DEAD family proteins use energy from ATP hydrolysis for RNA chaperoning and RNase activity (PMID: 27121695). As a core member of the survival motor neuron (SMN) complex, DDX20 participate in small nuclear ribonucleoprotein (snRNP) biogenesis. Second, DDX20 have direct roles in gene expression in view of its implication in transcription and post-transcriptional gene silencing. Addition, the false expression of DDX20 could have deleterious effects on cellular homeostasis thus leading to cancer development and progression (PMID:29523774). Anymore, DDX20 could be identified as a biomarker and metastasis-driving oncogene of human breast cancer (PMID: 25083991). The detected weight of DDX20 is slightly higher than the theoretical molecular weight that is because of phosphorylation after translation.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qing Li	26430246	Biosci Rep	WB
Qingshui Wang	33005307	Comput Struct Biotechnol J	WB
Eun Myoung Shin	25083991	J Clin Invest	WB, IHC

## 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**

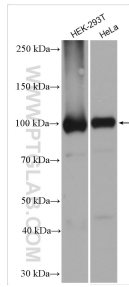
For technical support and original validation data for this product please contact:

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

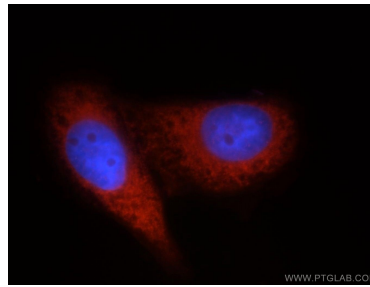
E: proteintech@ptglab.com  
W: ptglab.com

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

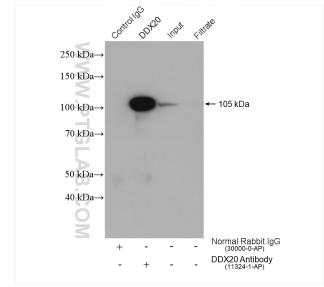
## Ausgewählte Validierungsdaten



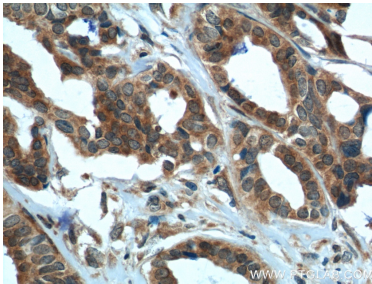
Various lysates were subjected to SDS PAGE followed by western blot with 11324-1-AP (DDX20 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



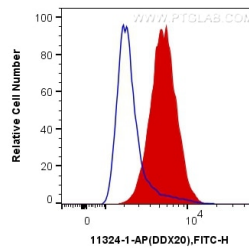
Immunofluorescent analysis of HepG2 cells, using DDX20 antibody 11324-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-DDX20(IP:11324-1-AP, 4ug; Detection:11324-1-AP 1:2000) with HeLa cells lysate 1880 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11324-1-AP (DDX20 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human DDX20 (11324-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).