À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-DDX20

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:11324-1-AP Phare 7 Publications

Informations de base

Numéro de catalogue:
11324-1-AP

Taille:
150ul , Concentration: 1200 μg/ml by Nanodrop and 533 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG1863

Numéro d'acquisition GenBank:
BC011556

Identification du gène (NCBI):
11218

Nom complet:
DEAD (Asp-Glu-Ala-Asp) box polypeptide 20

MW calculé
824 aa, 92 kDa

MW observés:
100 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:10000
IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
IHC 1:50-1:500
IF 1:20-1:200

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain

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 : cellules HEK-293T, cellules HeLa, cellules Jurkat, tissu testiculaire de souris

IP : cellules HeLa,

IHC : tissu de cancer du sein humain, tissu de cancer du côlon humain

IF : cellules HepG2, cellules HeLa

Informations générales

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 RNPase 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.

Publications notables

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

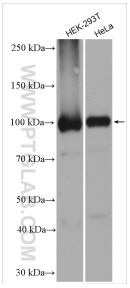
Stockage

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

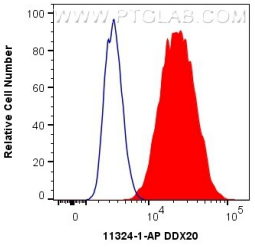
***** Les 20ul contiennent 0,1% de BSA.**

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

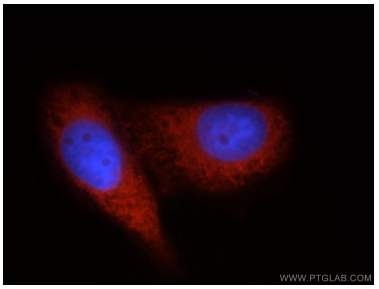
Données de validation sélectionnées



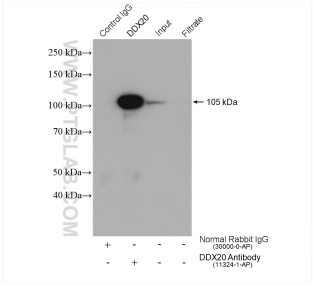
Various lysates were subjected to SDS PAGE followed by western blot with 11324-1-AP (DDX20 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



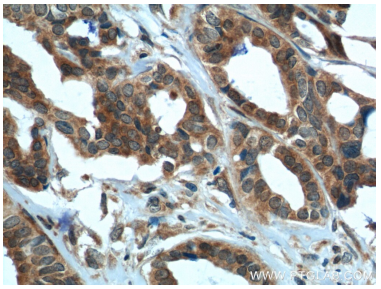
1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human DDX20 (11324-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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).