Rabbit anti-Human, Mouse DDX20 Polyclonal Antibody | anti-DDX20 antibody

DDX20 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324989	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

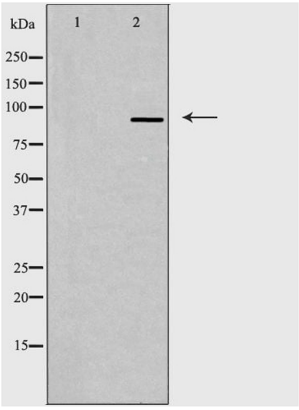
DDX20; Polyclonal Antibody; DDX20 Antibody; Component of gems 3; DDX 20; ddx20; DDX20_HUMAN; DEAD (Asp Glu Ala Asp) box polypeptide 20; DEAD box protein 20; DEAD box protein DP 103; DEAD box protein DP103; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 20 103kD; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 20; DEAD/H BOX 20; DKFZP434H052; DP 103; DP103; Gemin-3; Gemin3; Probable ATP dependent RNA helicase DDX20; Probable ATP-dependent RNA helicase ddx20; SMN interacting protein; anti-DDX20 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DDX20 antibody detects endogenous levels of total DDX20
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	824
Applicable Applications for anti-DDX20 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus > Gem. Localized in subnuclear structures next to coiled bodies, called Gemini of Cajal bodies.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (89%), Bovine (100%), Horse (89%), Sheep (100%), Rabbit (89%), Dog (89%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA324989 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 293 cells, using DDX20 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DDX20 antibody	Function: The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus. May also play a role in the metabolism of small nucleolar ribonucleoprotein (snoRNPs). Subunit Structure: Part of the core SMN complex that contains SMN1, GEMIN2/SIP1, DDX20/GEMIN3, GEMIN4, GEMIN5, GEMIN6, GEMIN7, GEMIN8 and STRAP/UNRIP. Part of the SMN-Sm complex that contains SMN1, GEMIN2/SIP1, DDX20/GEMIN3, GEMIN4, GEMIN5, GEMIN6, GEMIN7, GEMIN8, STRAP/UNRIP and the Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG. Interacts directly with GEMIN5. Interacts directly with SNUPN. Interacts with PPP4R2. Interacts with FOXL2. Interacts with EBV EBNA2 and EBNA3C. Interacts with NANOS1 and PUM2. Similarity: Belongs to the DEAD box helicase family. DDX20 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	256223453
NCBI GeneID	11218
NCBI Accession #	NP_009135.4
NCBI GenBank Nucleotide #	NM_007204.4
UniProt Accession #	Q9UHI6; Q96F72; Q9NVM3; Q9UF59; Q9UIY0; Q9Y659; B4DWV7
Molecular Weight	Observed: 92 kD Predicted: 93 kDa
NCBI Official Full Name	probable ATP-dependent RNA helicase DDX20
NCBI Official Synonym Full Names	DEAD-box helicase 20
NCBI Official Symbol	DDX20
NCBI Official Synonym Symbols	DP103; GEMIN3
NCBI Protein Information	probable ATP-dependent RNA helicase DDX20
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX20

UniProt Gene Name	**DDX20**
UniProt Synonym Gene Names	DP103; GEMIN3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/ddx20-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324989