Datasheet for ABIN872333

anti-DDX11 antibody (AA 231-330)

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Overview

Quantity:	100 µL
Target:	DDX11
Binding Specificity:	AA 231-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX11 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DDX11
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	DDX11
Alternative Name:	DDX11 (DDX11 Products)

Target Details

Background:	Synonyms: CHL1, CHL1 related helicase gene 1, CHL1-like helicase homolog, CHL1-related protein 1, CHLR1, Ddx11, DDX11_HUMAN, DEAD/H Asp Glu Ala Asp/His box polypeptide 11, DEAD/H box protein 11, hCHLR1, Keratinocyte growth factor regulated gene 2 protein, Keratinocyte growth factor-regulated gene 2 protein, KRG 2, KRG-2, KRG2, Probable ATP dependent RNA helicase DDX11, Probable ATP-dependent RNA helicase DDX11. Background: DNA helicase involved in cellular proliferation. Possesses DNA-dependent ATPase and helicase activities. This helicase translocates on single-stranded DNA in the 5' to 3' direction in the presence of ATP and, to a lesser extent, dATP. Its unwinding activity requires a 5'-single-stranded region for helicase loading, since flush-ended duplex structures do not support unwinding. The helicase activity is capable of displacing duplex regions up to 100 bp, which can be extended to 500 bp by RPA or the cohesion establishment factor, the Ctf18-RFC (replication factor C) complex activities. Stimulates the flap endonuclease activity of FEN1. Required for normal sister chromatid cohesion. Required for recruitement of bovine papillomavirus type 1 regulatory protein E2 to mitotic chrmosomes and for viral genome maintenance. Required for maintaining the chromosome segregation and is essential for embryonic development and the prevention of aneuploidy. May function during either S, G2, or M phase of the cell cycle. Binds to both single- and double-stranded DNA.Tissue specificity: Highly expressed in spleen, B-cells, thymus, testis, ovary, small intestine, and pancreas. Very low expression seen in the brain. Expressed in dividing cells and/or cells undergoing high levels of recombination. No expression is seen in cells signaled to terminally differentiate. Expressed in keratinocyte growth factor-stimulated cells but not in serum, EGF and IL1-beta-treated keratinocytes.
Gene ID:	1663
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months