

KB545

For research use only

Anti Human DDX11 Polyclonal Antibody

Code No. KB545
Target DDX11
Category Enzyme
Gene ID 1663
Primary Source HGNC:2736
Synonyms CHL1; KRG2; CHLR1; MGC9335; MGC133249; DDX11

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human DDX11

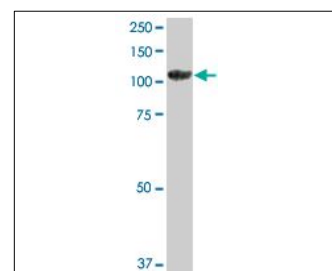
Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity -
Label Unlabeled
Concentration 1 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

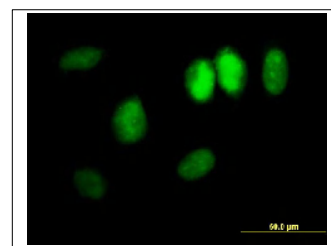
Application WB, IF

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	-	10	-

(µg/mL)



[WB] DDX11 transfected 293T cell lysate



[IF] HeLa cell

Reference

1. Frank S., et al. "The human homologue of the yeast CHL1 gene is a novel keratinocyte growth factor regulated gene." J. Biol. Chem. 271:24337-24340(1996)
2. Amann J., et al. "Characterization of putative human homologues of the yeast chromosome transmission fidelity gene, CHL1." J. Biol. Chem. 272:3823-3832(1997)
3. Hirota Y., et al. "Characterization of the enzymatic activity of hChlR1, a novel human DNA helicase." Nucleic Acids Res. 28:917-924(2000)

UniPlot Summary

//Function: DNA helicase involved in cellular proliferation. 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.

//Subcellular location: Nucleus > nucleolus.

//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.

//Sequence similarities: Belongs to the DEAD box helicase family. DEAH subfamily. DDX11/CHL1 sub-subfamily. Contains 1 helicase ATP-binding domain.