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DDX49 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9963a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9Y6V7
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23678
Calculated MW	54226
Antigen Region	385-413

Additional Information

Gene ID	54555
Other Names	Probable ATP-dependent RNA helicase DDX49, DEAD box protein 49, DDX49
Target/Specificity	This DDX49 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-413 amino acids from the C-terminal region of human DDX49.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DDX49 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DDX49
Function	ATP-dependent RNA helicase that plays a role in various aspects of RNA metabolism including the regulation of mRNA export and the levels of pre-ribosomal RNA. Regulates the stability and synthesis of pre-ribosomal

RNA and thereby regulates cell proliferation (PubMed:29618122). Also possesses antiviral activity by recognizing gammaherpesvirus transcripts in the context of lytic reactivation (PubMed:36298642).

Cellular Location Nucleus, nucleolus.

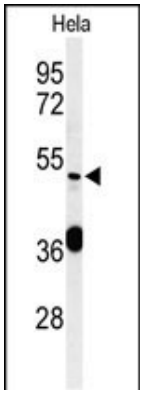
Background

The function of DDX49 has not yet been determined.

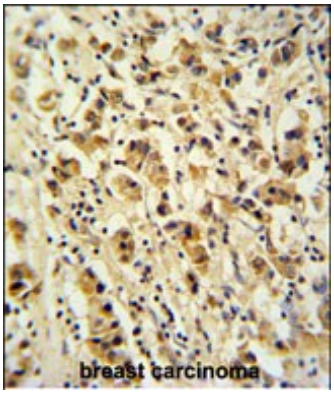
References

Grimwood, J., et al. Nature 428(6982):529-535(2004)
Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)

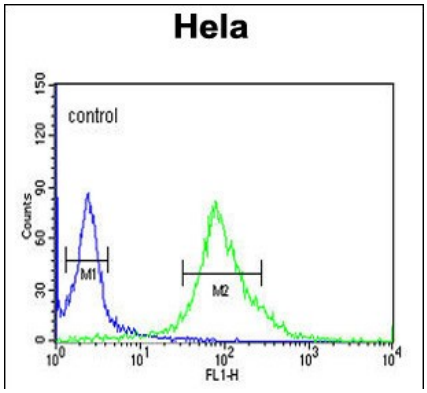
Images



Western blot analysis of DDX49 Antibody (C-term) (Cat. #AP9963a) in Hela cell line lysates (35ug/lane). DDX49 (arrow) was detected using the purified Pab.



DDX49 Antibody (C-term) (Cat. #AP9963a) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DDX49 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



DDX49 Antibody (C-term) (Cat. #AP9963a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.