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WDR43 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5488b

Specification

WDR43 Antibody (C-term) - Product Information

Application	**WB, FC, IHC-P,E**
Primary Accession	Q15061
Other Accession	NP_055946.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**74891**
Antigen Region	**636-665**

WDR43 Antibody (C-term) - Additional Information

Gene ID 23160

Other Names
WD repeat-containing protein 43, WDR43, KIAA0007, UTP5

Target/Specificity
This WDR43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 636-665 amino acids from the C-terminal region of human WDR43.

Dilution
WB~~1:1000
FC~~1:10~50
IHC-P~~1:50~100
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
WDR43 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

WDR43 Antibody (C-term) - Protein Information

Name WDR43 (HGNC:28945)

Synonyms KIAA0007, UTP5

Function Ribosome biogenesis factor that coordinates hyperactive transcription and ribogenesis (PubMed:17699751). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Involved in nucleolar processing of pre-18S ribosomal RNA. Required for optimal pre-ribosomal RNA transcription by RNA polymerase I (PubMed:17699751, PubMed:34516797). Essential for stem cell pluripotency and embryonic development. In the nucleoplasm, recruited by promoter-associated/nascent transcripts and transcription to active promoters where it facilitates releases of elongation factor P-TEFb and paused RNA polymerase II to allow transcription elongation and maintain high-level expression of its targets genes (By similarity).

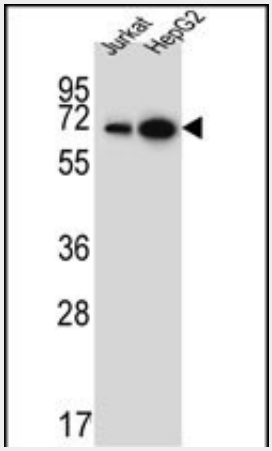
Cellular Location
Nucleus, nucleolus. Nucleus, nucleolus fibrillar center. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q6ZQL4}

WDR43 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WDR43 Antibody (C-term) - Images



WDR43 Antibody (C-term) (Cat.#AP5488b) western blot analysis in Jurkat,HepG2 cell line lysates (35ug/lane).This demonstrates the WDR43 antibody detected the WDR43 protein (arrow).

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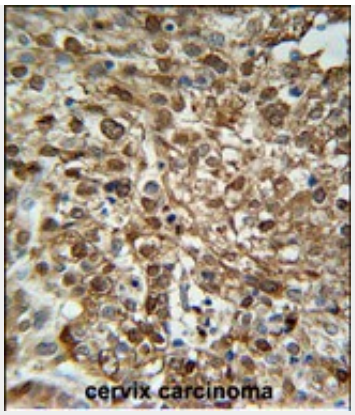
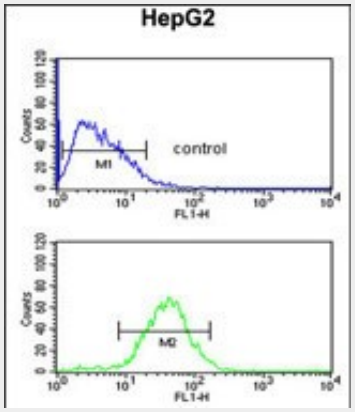


WDR43 Antibody (C-term) (Cat. #AP5488b) immunohistochemistry analysis in formalin fixed and paraffin embedded human Cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WDR43 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WDR43 Antibody (C-term) (Cat. #AP5488b) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

WDR43 Antibody (C-term) - Background

The function of WDR43 remains unknown.

WDR43 Antibody (C-term) - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)