

**WDR43 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5488b**

**Specification**

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**WDR43 Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q15061</a>
Other Accession	<a href="#">NP_055946.1</a>
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  
IHC-P~~1:50~100  
FC~~1:10~50

**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).

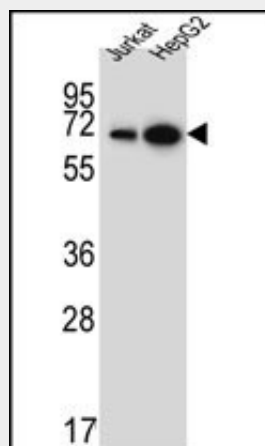
**Cellular Location**

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

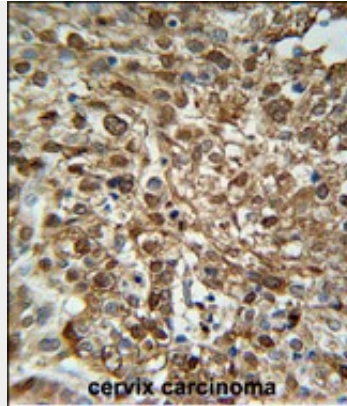
**WDR43 Antibody (C-term) - Protocols**

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

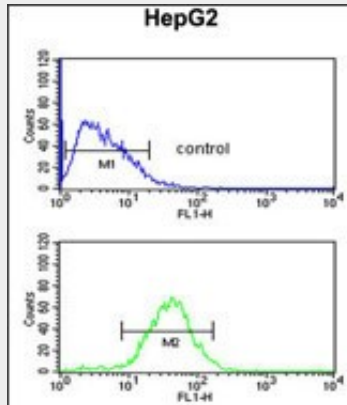
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**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).



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)