

**WDR43 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5580**

**Specification**

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

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q15061</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=75 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

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

**Gene ID** 23160

**Antigen Region**  
636-665

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

**Dilution**  
WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**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.

**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:<a href="http://www.uniprot.org/citations/17699751" target="\_blank">17699751</a>). 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:<a href="http://www.uniprot.org/citations/17699751" target="\_blank">17699751</a>, PubMed:<a href="http://www.uniprot.org/citations/34516797" target="\_blank">34516797</a>). 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

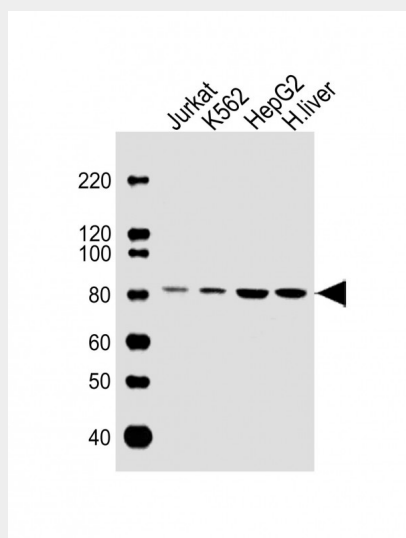
Nucleus, nucleolus. Nucleus, nucleolus fibrillar center. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q6ZQL4}

## WDR43 Antibody (C-term) - Protocols

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

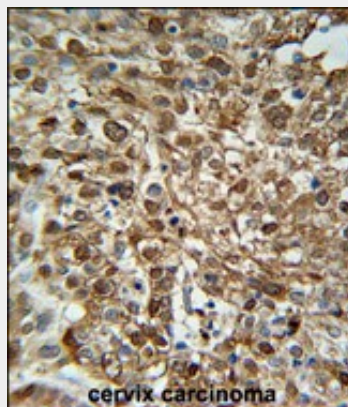
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## WDR43 Antibody (C-term) - Images

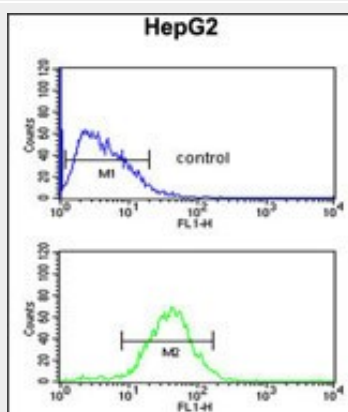


All lanes : Anti-WDR43 Antibody (C-term) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane

2: K562 whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: human liver lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated  
at 1/10000 dilution. Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



WDR43 Antibody (C-term) (Cat. #AW5580) 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. #AW5580) 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)