Rabbit anti-Human WDR43 Polyclonal Antibody | anti-WDR43 antibody

WDR43 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290952	**Rabbit**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

WDR43; Polyclonal Antibody; WDR43 Antibody (C-term); WD repeat-containing protein 43; KIAA0007; UTP5; anti-WDR43 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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.
Sequence Length	677
Applicable Applications for anti-WDR43 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Function	Ribosome biogenesis factor that coordinates hyperactive transcription and ribogenesis (PubMed:). 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: , PubMed:). 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}
Antigen Region	636-665
Preparation and 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.

IMAGES

FCM/FACS (Flow Cytometry)
WDR43 Antibody (C-term) 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.

IHC (Immunohiostchemistry)
WDR43 Antibody (C-term) 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.

WB (Western Blot)
All lanes : Anti-WDR43 Antibody (C-term) at 1:1000 dilutionLane 1: Jurkat whole cell lysateLane 2: K562 whole cell lysateLane 3: HepG2 whole cell lysateLane 4: human liver lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 75 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-WDR43 antibody	Background: The function of WDR43 remains unknown.
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	157743245
NCBI GeneID	23160
NCBI Accession #	NP_055946.1
NCBI GenBank Nucleotide #	NP_055946.1
UniProt Accession #	Q15061
Molecular Weight	Calculated MW: H=75 KDa
NCBI Official Full Name	WD repeat-containing protein 43
NCBI Official Synonym Full Names	WD repeat domain 43
NCBI Official Symbol	WDR43
NCBI Official Synonym Symbols	UTP5; NET12
NCBI Protein Information	WD repeat-containing protein 43
UniProt Protein Name	WD repeat-containing protein 43
UniProt Gene Name	**WDR43**
UniProt Synonym Gene Names	KIAA0007; UTP5
UniProt Entry Name	WDR43_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/wdr43-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290952