

WDR73 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5297a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q6P4I2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26654
Calculated MW	41685
Antigen Region	44-73

Additional Information

Gene ID	84942
Other Names	WD repeat-containing protein 73, WDR73
Target/Specificity	This WDR73 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-73 amino acids from the N-terminal region of human WDR73.
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	WDR73 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	WDR73 {ECO:0000303 PubMed:25466283, ECO:0000312 HGNC:HGNC:25928}
Function	Component of a multiprotein complex required for the assembly of the RNA endonuclease module of the integrator complex (PubMed: 39032489).

Associates with INTS9 and INTS11 in the cytoplasm, stabilizing the INTS9-INTS11 heterodimer and blocking the active site of INTS11 (PubMed:[39032489](#)). BRAT1 then joins the complex and plugs the active site of INTS11, leading to WDR73 release and nuclear import of INTS9 and INTS11 (PubMed:[39032489](#)).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Cleavage furrow. Note=During interphase, located in the cytoplasm (PubMed:25466283). During mitosis, accumulates at the spindle poles and microtubule asters and later in the cleavage furrow (PubMed:25466283).

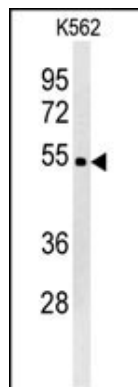
Tissue Location

Expressed in kidney and brain. In the kidney, expressed in glomeruli, most probably in podocytes, and in tubules (at protein level). In the brain, expressed in the cerebellum, with high levels in Purkinje cells and their projecting axons, in the deep cerebellar nuclei and in pyramidal neurons of the cerebral cortex (at protein level). In the white matter, mainly present in astrocytes, but not in oligodendrocytes (at protein level). Also highly expressed in endothelial cells of cerebral capillaries (at protein level)

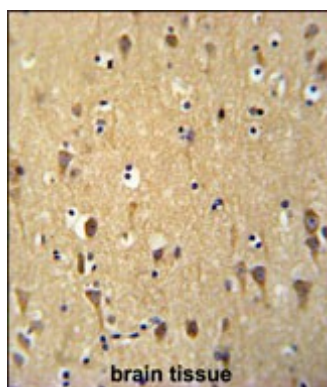
References

Suzuki, Y., et al. Gene 200 (1-2), 149-156 (1997)

Images

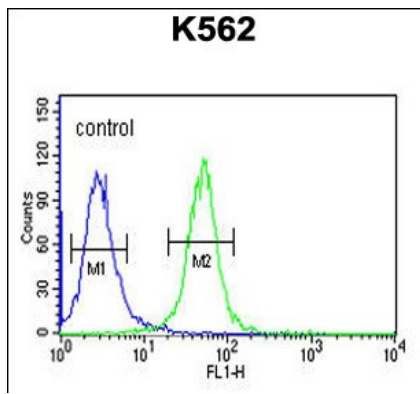


WDR73 Antibody (N-term)?Cat. #AP5297a?western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the WDR73 antibody detected the WDR73 protein (arrow).



WDR73 Antibody (N-term) (Cat. #AP5297a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WDR73 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

WDR73 Antibody (N-term) (Cat. #AP5297a) flow cytometric analysis of K562 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'.