

Anti-WDR1 Rabbit Monoclonal Antibody

Catalog # ABO16411

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	O75083
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-WDR1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	9948
Other Names	WD repeat-containing protein 1, Actin-interacting protein 1, AIP1, NORI-1, WDR1
Calculated MW	66194
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 29W47 A synthesized peptide derived from human WDR1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	WDR1
Function	Induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins (PubMed: 15629458 , PubMed: 27557945 , PubMed: 29751004). Enhances cofilin-mediated actin severing (By similarity). Involved in

cytokinesis. Involved in chemotactic cell migration by restricting lamellipodial membrane protrusions (PubMed:[18494608](#)). Involved in myocardium sarcomere organization. Required for cardiomyocyte growth and maintenance (By similarity). Involved in megakaryocyte maturation and platelet shedding. Required for the establishment of planar cell polarity (PCP) during follicular epithelium development and for cell shape changes during PCP; the function seems to implicate cooperation with CFL1 and/or DSTN/ADF. Involved in the generation/maintenance of cortical tension (By similarity). Involved in assembly and maintenance of epithelial apical cell junctions and plays a role in the organization of the perijunctional actomyosin belt (PubMed:[25792565](#)).

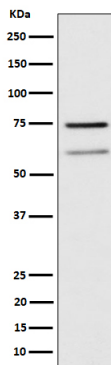
Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250 | UniProtKB:Q5RKI0}. Cell projection, podosome. Cell junction

Tissue Location

Expressed in peripheral blood mononuclear cells (at protein level).

Images



Western blot analysis of WDR1 expression in Raji cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.