

KD-Validated Anti-WD repeat domain 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1471

Product Information

Application	WB, FC, ICC
Primary Accession	O75083
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4720
Calculated MW	66194
Gene Name	WDR1
Aliases	WDR1; WD Repeat Domain 1; AIP1; Actin-Interacting Protein 1; WD Repeat-Containing Protein 1; NORI-1; Epididymis Secretory Protein Li 52; HEL-S-52; PFITS
Immunogen	A synthesized peptide derived from human WDR1

Additional Information

Gene ID	9948
Other Names	WD repeat-containing protein 1, Actin-interacting protein 1, AIP1, NORI-1, WDR1

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).

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