10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WDR1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2919b

Specification

WDR1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O75083
Other Accession	Q2KJH4
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**548-577**

WDR1 Antibody (C-term) - Additional Information

Gene ID 9948

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

Target/Specificity
This WDR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 548-577 amino acids from the C-terminal region of human WDR1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
WDR1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

WDR1 Antibody (C-term) - 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

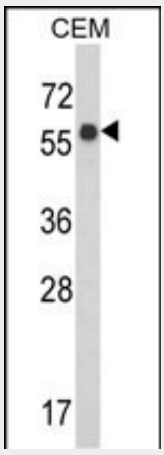
Tissue Location
Expressed in peripheral blood mononuclear cells (at protein level).

WDR1 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 Cytomety
- Cell Culture

WDR1 Antibody (C-term) - Images



Western blot analysis of WDR1 Antibody (C-term) (Cat. #AP2919b) in CEM cell line lysates (35ug/lane).WDR1 (arrow) was detected using the purified Pab.

WDR1 Antibody (C-term) - Background

WDR1 is a protein containing 9 WD repeats. WD repeats are approximately 30- to 40-amino acid domains containing several conserved residues, mostly including a trp-asp at the C-terminal end. WD domains are involved in protein-protein interactions. This protein may help induce the

disassembly of actin filaments.

WDR1 Antibody (C-term) - References

McArdle,P.F., et.al., Arthritis Rheum. 58 (9), 2874-2881 (2008)