For Research Use Only

WDR24 Polyclonal antibody

Catalog Number:20778-1-AP Featured Product 32 Publications

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Basic Information

Catalog Number:
20778-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14774

GenBank Accession Number:
BC008025

GeneID (NCBI):
84219

UNIPROT ID:
Q96S15

Full Name:
WD repeat domain 24

Calculated MW:
920 aa, 102 kDa

Observed MW:
102 kDa, 88 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:4000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:50-1:500
IF/ICC: 1:10-1:100

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IF, IP, CoIP

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, mouse brain tissue, HeLa cells, MCF-7 cells

IP : HeLa cells,

IHC : human colon cancer tissue, human colon tissue, human ovary tissue

IF/ICC : Hela cells, HepG2 cells

Background Information

WDR24 is a component of the GATOR2 complex which has five known subunits (WDR24, WDR59, Mios, Sec13, and Seh1L). GATOR2 complex positively regulates mTORC1 signaling by acting upstream of or in parallel to GATOR1, which is a GTPase-activating protein (GAP) for RagA or RagB and an inhibitor of the amino-acid-sensing pathway. (PMID: 23723238; 25263562)

Notable Publications

Author	Pubmed ID	Journal	Application
Jacqueline Morales	36282590	JCI Insight	WB
Marcel Seibert	36444289	MethodsX	WB,IP
Lingyun Long	34795452	Nature	WB,IP

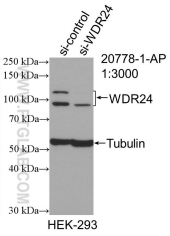
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

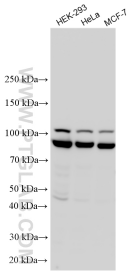
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

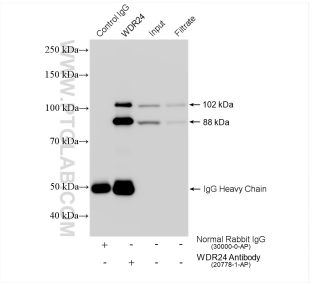
Selected Validation Data



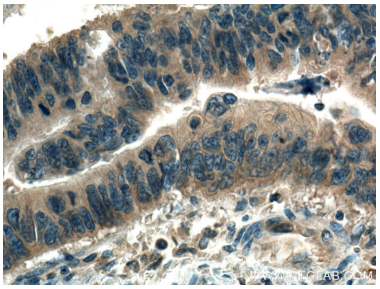
WB result of WDR24 antibody (20778-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-WDR24 transfected HEK-293 cells.



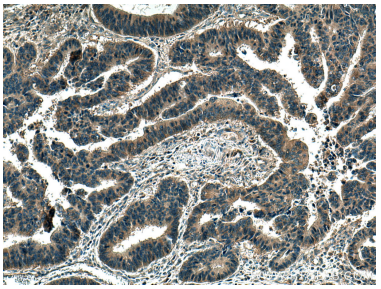
Various lysates were subjected to SDS PAGE followed by western blot with 20778-1-AP (WDR24 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



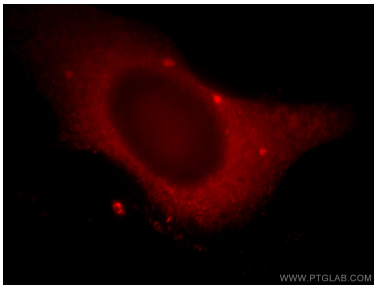
IP result of anti-WDR24 (IP:20778-1-AP, 4ug; Detection:20778-1-AP 1:3000) with HeLa cells lysate 1560 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20778-1-AP (WDR24 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20778-1-AP (WDR24 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of Hela cells, using WDR24 antibody 20778-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).