

DATASHEET

WDR48 Rabbit Polyclonal Antibody

CAT. NO. APA12998

KEY FEATURES

Target	WDR48	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Regulator of deubiquitinating complexes, which acts as a strong activator of USP1, USP12 and USP46 . Enhances the USP1-mediated deubiquitination of FANCD2; USP1 being almost inactive by itself . Activates deubiquitination by increasing the catalytic turnover without increasing the affinity of deubiquitinating enzymes for the substrate . Also activates deubiquitinating activity of complexes containing USP12 . In complex with USP12, acts as a potential tumor suppressor by positively regulating PHLPP1 stability . Docks at the distal end of the USP12 fingers domain and induces a cascade of structural changes leading to the activation of the enzyme . Together with RAD51AP1, promotes DNA repair by stimulating RAD51-mediated homologous recombination .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to WDR48
Specificity	Recognizes endogenous levels of WDR48 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human WDR48
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 13; Observed: 76 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA1449; UAF1; WD repeat-containing protein 48; USP1-associated factor 1; WD repeat endosomal protein; p80
Gene Symbol	WDR48
Entrez Gene	57599(Human); 67561(Mouse)
SwissProt	Q8TAF3(Human); Q8BH57(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

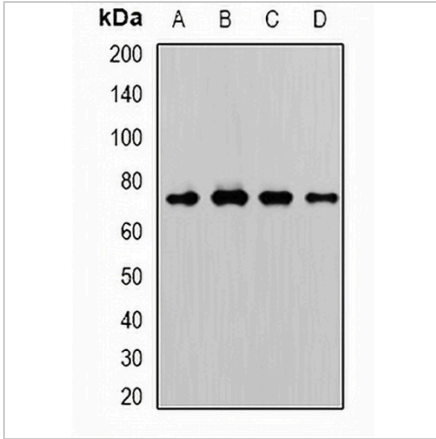
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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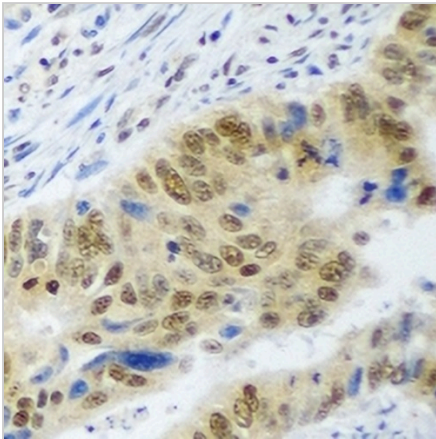
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DATA



Western blot analysis of WDR48 expression in A431 (A), A549 (B), mouse brain (C), rat testis (D) whole cell lysates. (Predicted band size: 13; 45; 66; 75; 76 kD; Observed band size: 76 kD)



Immunohistochemical analysis of WDR48 staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.