

ARG63606 anti-WHIP / WRNIP1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes WHIP / WRNIP1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (NP_064520.2) and isoform 2 (NP_569079.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	WHIP / WRNIP1
Species	Human
Immunogen	EELRGVDFFKQRRRC
Conjugation	Un-conjugated
Alternate Names	ATPase WRNIP1; EC 3.6.1.3; bA420G6.2; WHIP; Werner helicase-interacting protein 1

Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml
	WB	1 - 3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Tris/EDTA buffer (pH 9.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 56897 Human](#)

[Swiss-port # Q96S55 Human](#)

Background

Werner's syndrome is a rare autosomal recessive disorder characterized by accelerated aging that is caused by defects in the Werner syndrome ATP-dependent helicase gene (WRN). The protein encoded by this gene interacts with the exonuclease-containing N-terminal portion of the Werner protein. This protein has a ubiquitin-binding zinc-finger domain in the N-terminus, an ATPase domain, and two leucine zipper motifs in the C-terminus. It has sequence similarity to replication factor C family proteins and is conserved from *E. coli* to human. This protein likely accumulates at sites of DNA damage by interacting with polyubiquitinated proteins and also binds to DNA polymerase delta and increases the initiation frequency of DNA polymerase delta-mediated DNA synthesis. This protein also interacts with nucleoporins at nuclear pore complexes. Two transcript variants encoding different isoforms have been isolated for this gene. [provided by RefSeq, Jul 2012]

Research Area

Gene Regulation antibody

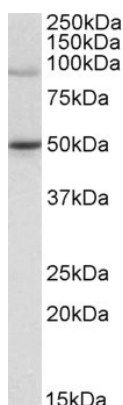
Calculated Mw

72 kDa

PTM

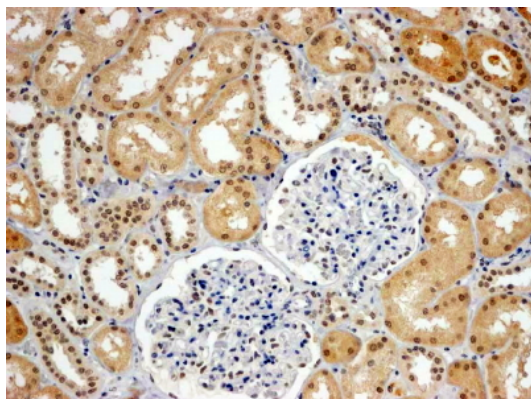
Sumoylated with SUMO1 and SUMO2/3.

Images



ARG63606 anti-WHIP / WRNIP1 antibody WB image

Western Blot: Jurkat lysate (35 µg protein in RIPA buffer) stained with ARG63606 anti-WHIP / WRNIP1 antibody at 1 µg/ml dilution.



ARG63606 anti-WHIP / WRNIP1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Kidney. (Steamed antigen retrieval with Tris/EDTA buffer pH 9) stained with ARG63606 anti-WHIP / WRNIP1 antibody at 4 µg/ml dilution followed by HRP-staining.