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Product datasheet for TA319493

WHIP (WRNIP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:10,000 - 1:40,000, WB: 1:500 - 1:2,000, IHC: User Optimized
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of the WHIP1 protein. The immunogen sequence shows 100% homology to human WHIP1 (isoform 1) and WHIP2 (isoform 2) with predicted molecular weights of 72.2 kDa and 69.5 kDa, respectively. The immunogen sequence also shows 100% homology to WHIP1 from mouse, rat and monkey sequences. Reactivity with WHIP proteins from other sources is not known, but is likely due to reported homologies.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Werner helicase interacting protein 1
Database Link:	NP_064520 Entrez Gene 78903 MouseEntrez Gene 282835 RatEntrez Gene 707250 MonkeyEntrez Gene 56897 Human Q96S55
Synonyms:	bA420G6.2; WHIP

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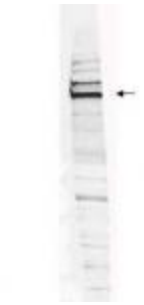
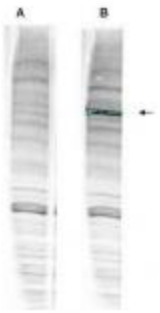
Note: Werner's syndrome is a rare autosomal recessive disorder characterized by premature aging. Werner helicase interacting protein 1 (WHIP) interacts with the N-terminal portion of Werner protein, which contains an exonuclease domain. This protein shows homology to replication factor C family proteins, and is conserved from E. coli to human. Studies in yeast suggest that this gene product may influence the aging process. A second isoform exists (WHIP2).

Product images:



WB analysis using Anti-Human WHIP antibody to detect Human WHIP present in a HEK293 whole cell lysate. ~30ug of lysate was loaded per lane for 4-20% gradient SDS-PAGE. See Figure 2 for the results of peptide competition experiments. The blot was incubated with a 1:200 dilution of the antibody at RT for 2 h followed by detection using IRDye® 800 labeled Goat-a-Rabbit IgG [H&L] MX10 diluted 1:5,000 for 45 min.



WB analysis using anti-Human WHIP antibody. Testing was performed on antiserum prior to affinity purification. Peptide competition (left) blocks the specific staining, whereas the control (right) shows staining of a strong dominant band corresponding to human WHIP1. ~30ug of HEK293 lysate was loaded per lane for 4-20% gradient SDS-PAGE. Comparison to a molecular weight marker (not shown) indicates a band of ~96.0 kDa is detected. The blot was incubated with a 1:1000 dilution of the antibody.