Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-498

HUS1B Antibody

Overview

Description:	Anti-HUS1B (RABBIT) Antibody - 600-401-498
Item No.:	600-401-498
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The protein encoded by the Hus1B gene is most closely related to HUS1, a component of a cell cycle checkpoint protein complex involved in cell cycle arrest in response to DNA damage. This protein can interact with the checkpoint protein RAD1 but not with RAD9. Over expression of this protein has been shown to induce cell death, which suggests a related but distinct role of this protein, as compared to HUS1. Hus1B is expressed strongly in testis, less in spleen, thymus, prostate, colon and leukocytes. Anti-HUSB1 Antibody is useful for researchers interested in DNA damage and repair.
Synonyms:	rabbit anti-HUS1B antibody, Checkpoint protein HUS1B, hHUS1B, HUS 1B, HUS-1B, HUS1 Checkpoint Clamp Component B, HUS1B, HUS1 (S. Pombe) Checkpoint Homolog B, HUS1 Checkpoint Homolog B (S. Pombe), HUS1 Checkpoint Homolog B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HUS1B
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 100-125 of human Hus1B protein.
Purity/Specificity:	This affinity-purified antibody is directed against human Hus1B protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis indicates 100% homology of the immunizing sequence with Hus1B protein from human. Partial reactivity with mouse Hus1B is not likely based on low (~64%, 9/14) sequence homology. Reactivity against homologues from other sources is not known.
Relevant Links:	• UniProtKB - Q8NHY5 • NCBI - 31077215 • GeneID - 135458

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-HUS1B antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 38 kDa in size corresponding to Hus1B protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

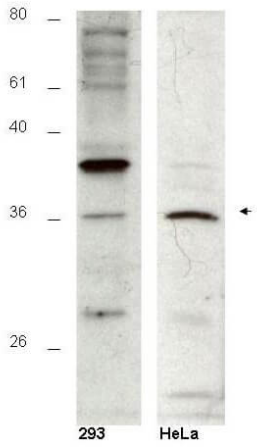
Physical State:	Liquid (sterile filtered)
Concentration:	1.75 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot using Rockland's affinity purified anti-Hus1B antibody shows detection of a 36kDa band [arrow] corresponding to Hus1B in a HeLa cell lysate (p/n W09-000-364). The staining pattern in 293 cells (p/n W09-000-365) is less clear, showing a predominant band at 39 kDa. Personal Communication, A-Lien Lu-Chang, U. Maryland, Baltimore, MD.

Disclaimer