

## Anti-Hus1B [RABBIT] Antibody - 600-401-498

**Code:** 600-401-498

**Size:** 100 µg

**Product Description:** Anti-Hus1B [RABBIT] Antibody - 600-401-498

**Concentration:** 1.75 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	HUS1B
<b>Species Reactivity</b>	human, mouse, rat
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	rabbit anti-HUS1B antibody, Checkpoint protein HUS1B, hHUS1B, HUS 1B, HUS-1B, HUS1 B, HUS1-B
<b>Application Note</b>	This affinity-purified 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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	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.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:20,000 - 1:100,000
<b>Western Blot</b>	1:500 - 1:5,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 104-117 of human Hus1B protein.
<b>General Reference</b>	Hopkins,K.M., Wang,X., Berlin,A., Hang,H., Thaker,H.M. and Lieberman,H.B. (2003) Expression of mammalian paralogues of HRAD9 and Mrad9 checkpoint control genes in normal and cancerous testicular tissue. <i>Cancer Res.</i> 63 (17), 5291-5298.Hang,H., Zhang,Y., Dunbrack,R.L. Jr., Wang,C. and Lieberman,H.B. (2002) Identification and characterization of a paralog of human cell cycle checkpoint gene HUS1. <i>Genomics</i> 79 (4), 487-492.

**Related Products**

000-001-498	Hus1B Control Peptide - 000-001-498
200-301-397	Anti-SMC1 pS957 (MOUSE) Monoclonal Antibody - 200-301-397
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302

611-143-002

Anti-RABBIT IgG (H&L) (GOAT) Antibody DyLight™ 649  
Conjugated - 611-143-002

## Related Links

UniProtKB - Q8NHY5

<http://www.uniprot.org/uniprot/Q8NHY5>

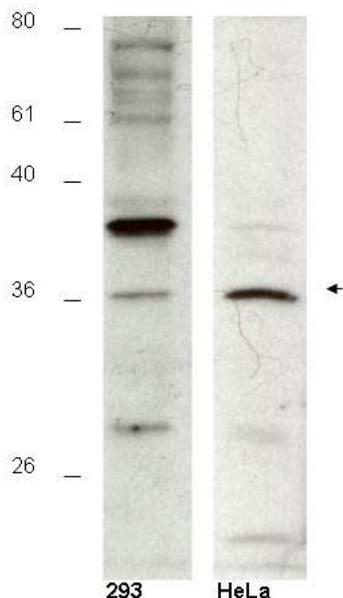
NCBI - 31077215 <http://www.ncbi.nlm.nih.gov/protein/31077215>

GeneID - 135458

## Images

1

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



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.