

Datasheet for 600-401-EB2**RNF20 Antibody****Overview**

Description:	Anti-RNF20 (RABBIT) Antibody - 600-401-EB2
Item No.:	600-401-EB2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	RNF20 is an E3 ubiquitin ligase that regulates chromosome structure by monoubiquitinating histone H2B. RNF20 selectively suppresses the expression of some genes such as several protooncogenes and growth-related genes, including many genes that are induced by epidermal growth factor by interfering with chromatin recruitment of transcription elongation factor SII (TFIIS). In contrast, RNF20 also positively regulates the p53 tumor suppressor as well as numerous histone H2A and H2B genes. Together with the deubiquitinase USP44, RNF20 regulates stem cell differentiation by modulating H2B monoubiquitination.
Synonyms:	RNF20 Antibody, BRE1, BRE1A, hBRE1, E3 ubiquitin-protein ligase BRE1A, RING finger protein 20, BRE1-A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RNF20
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RNF20 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human RNF20.

Purity/Specificity: Anti-RNF20 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of RNF20 are known to exist.

Relevant Links:

- [UniProtKB - Q5VTR2](#)
- [GeneID - 56254](#)
- [NCBI - NP_062538](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-RNF20 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 114 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: User Optimized

IHC: User Optimized

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

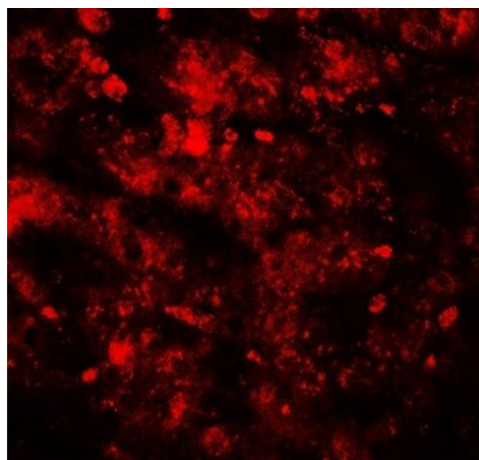
Shipping & Handling

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:

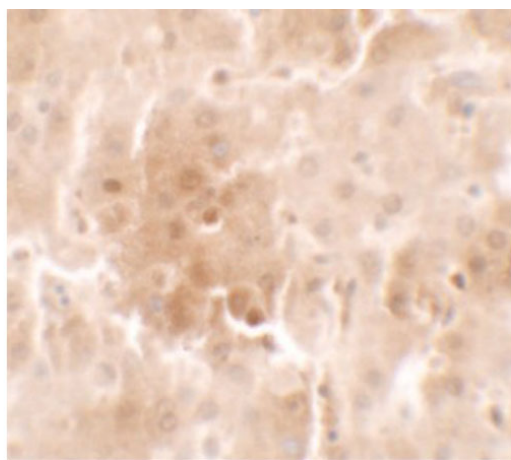
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of RNF20.

Tissue: human liver tissue.

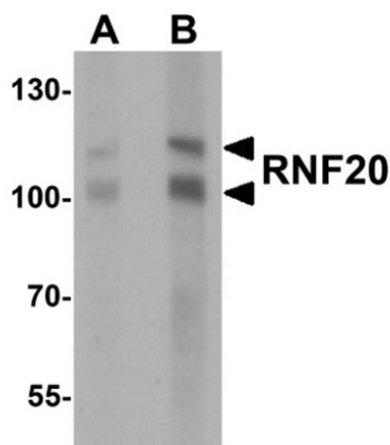
Primary Antibody: RNF20 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of RNF20.

Tissue: human liver tissue.

Primary Antibody: RNF20 antibody at 2.5 µg/mL.

**Western Blot**

Western blot of RNF20.

Load: human liver tissue lysate.

Primary Antibody: RNF20 antibody at (A) 1 and (B) 2 µg/mL.

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.