

# Product Datasheet

## TRIM58 Antibody - BSA Free NBP1-88608

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 2

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**NBP1-88608**

TRIM58 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

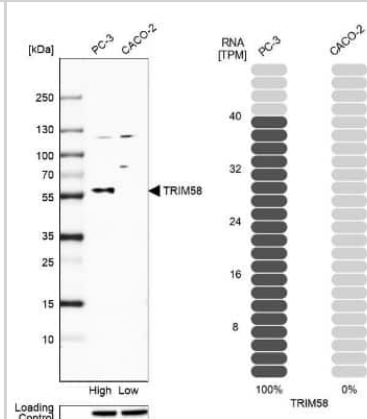
Product Description	
<b>Description</b>	Novus Biologicals Rabbit TRIM58 Antibody - BSA Free (NBP1-88608) is a polyclonal antibody validated for use in IHC and WB. Anti-TRIM58 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	25893
<b>Gene Symbol</b>	TRIM58
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: EAGEISFYNVTDGSYIYTFNQLFSGLLRPYFFICDATPLILPPTTIAGSGNWASRD HLDPASDVRDDHL

Product Application Details	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml

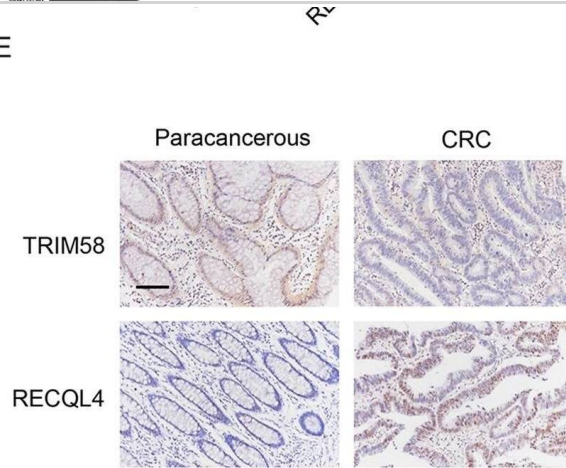


## Images

Western Blot: TRIM58 Antibody [NBP1-88608] - Analysis in human cell line PC-3 and human cell line CACO-2.



TRIM58 interacted with RECQL4 and enhanced its ubiquitination in CRC cells. A The relative mRNA levels of RECQL4 in SW620 cells transduced with RECQL4 expression vector. B The protein levels of RECQL4 in SW620 cells transduced with RECQL4 expression vector and treated with MG132. C Co-IP assay shows that TRIM58 interacted with RECQL4 in SW620 cells. D Ubiquitination assay was performed to examine the ubiquitination of RECQL4 in LOVO cells transduced with TRIM58 shRNA and SW620 cells transduced with TRIM58 expression vector. E Immunohistochemistry staining was performed to examine the protein expression of TRIM58 and RECQL4 in CRC and paracancerous tissues (scale bar, 100  $\mu$ m) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37516854>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Sun N, Shen J, Shi Y et al. TRIM58 functions as a tumor suppressor in colorectal cancer by promoting RECQL4 ubiquitination to inhibit the AKT signaling pathway World journal of surgical oncology 2023-07-29 [PMID: 37516854] (IHC-P, Human)

Liu M, Zhang X, Cai J et al. Downregulation of TRIM58 expression is associated with a poor patient outcome and enhances colorectal cancer cell invasion. Oncol. Rep. 2018-09-01 [PMID: 29956813] (WB, Human)



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### **Products Related to NBP1-88608**

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NBP1-88608PEP	TRIM58 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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