

Product Datasheet

TREX1 Antibody - BSA Free

NBP1-76977

Unit Size: 0.1 mg

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

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NBP1-76977

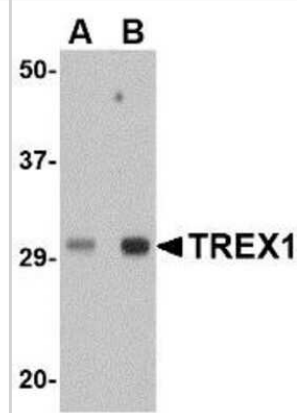
TREX1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	31 kDa
Product Description	
Host	Rabbit
Gene ID	11277
Gene Symbol	TREX1
Species	Human, Mouse, Rat
Specificity/Sensitivity	TREX1 antibody will not cross-react with the related protein TREX2. At least three isoforms of TREX1 are known to exist; this antibody will recognize all three isoforms.
Immunogen	Antibody was raised against a 15 amino acid synthetic peptide near the center of human TREX1. The immunogen is located within amino acids 220 - 270 of TREX1. Amino Acid Sequence: TRLYGQSPDSHT
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5 - 1 ug/mL, ELISA 1:100 - 1:2000, Immunohistochemistry 2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/mL

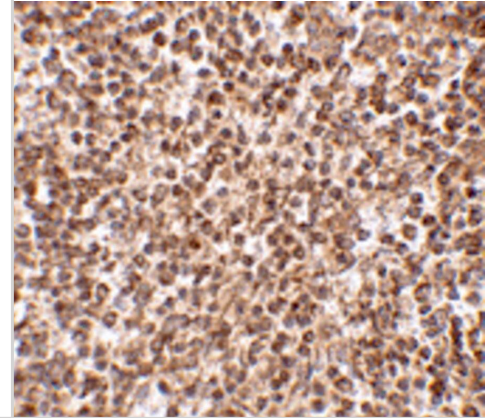


Images

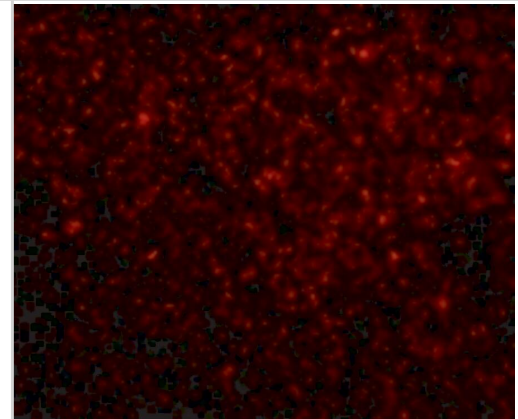
Western Blot: TREX1 Antibody [NBP1-76977] - Analysis of human spleen tissue lysate with TREX1 antibody at (A) 0.5 ug/mL and (B) 1 ug/mL.



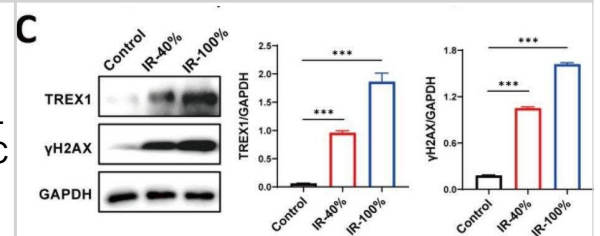
Immunohistochemistry: TREX1 Antibody - BSA Free [NBP1-76977] - Immunohistochemistry of TREX1 in human spleen tissue with TREX1 antibody at 2.5 u/mL.



Immunocytochemistry/ Immunofluorescence: TREX1 Antibody - BSA Free [NBP1-76977] - Immunofluorescence of TREX1 in Human Spleen tissue with TREX1 antibody at 20 ug/mL.



DNA damage plays an important role in radiation-induced immune activation. A Schematic representation of irradiated tumor cells inducing maturation of murine bone marrow-derived DCs. Flow peak of a proportion of CD86+ CD80+ DC in each group. The proportion of CD86+ CD80+ DC in each group. Flow cytometric analysis of CD86+ CD80+ DC in each group. n = 6. B Levels of dsDNA in culture supernatant and cytoplasm of tumor cells in each group. C Expression and quantification of DNA damage and repair proteins. D Expression and quantification of cGAS-STING pathway proteins. E Expression and quantification of DAMPs. F Relative expression levels of HSP70 and HSP90 in the supernatants after different treatments. ns indicates no statistical difference. *, P < 0.05. **, P < 0.01. ***, P < 0.001. The statistical test was performed using One-way ANOVA, followed by Tukey's multiple comparisons test Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39736508>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Takahashi A, Loo TM, Okada R et al. Downregulation of cytoplasmic DNases is implicated in cytoplasmic DNA accumulation and SASP in senescent cells. Nat Commun. 2018-03-28 [PMID: 29593264] (ICC/IF, Human)





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Products Related to NBP1-76977

NBP1-76977PEP	TREX1 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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