

Product Datasheet

TREX1 Antibody - BSA Free

NBP2-29617

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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NBP2-29617

TREX1 Antibody - BSA Free

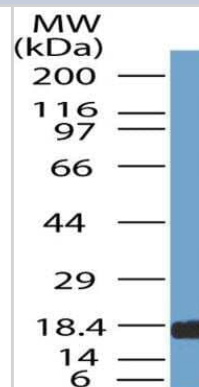
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	IgG purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit TREX1 Antibody - BSA Free (NBP2-29617) is a polyclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	11277
Gene Symbol	TREX1
Species	Human
Immunogen	Partial recombinant protein made to an internal portion of human TREX1 protein (between residues 200-350) [NP_057465.1]

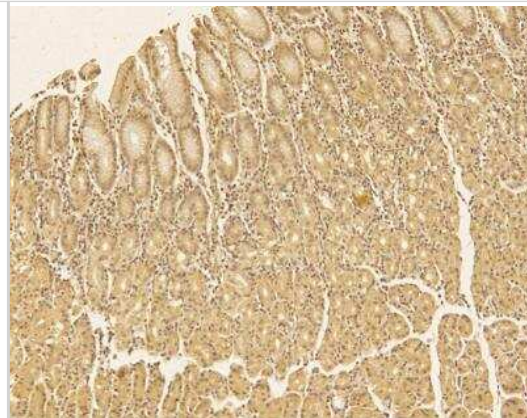
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry 5-10 ug/ml, Immunohistochemistry-Paraffin 5-10 ug/ml, Immunohistochemistry-Frozen 5-10 ug/ml

Images

Western Blot: TREX1 Antibody [NBP2-29617] - Analysis of TREX1 partial recombinant protein by using TREX1 antibody at a concentration of 1ug/ml.



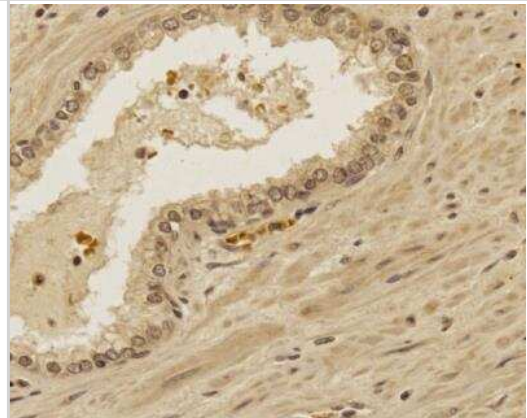
Immunohistochemistry-Frozen: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human normal stomach using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration. Specific cytoplasmic and nuclear staining was observed in the glandular cells/mucosal epithelium of stomach [Magnification 10X].



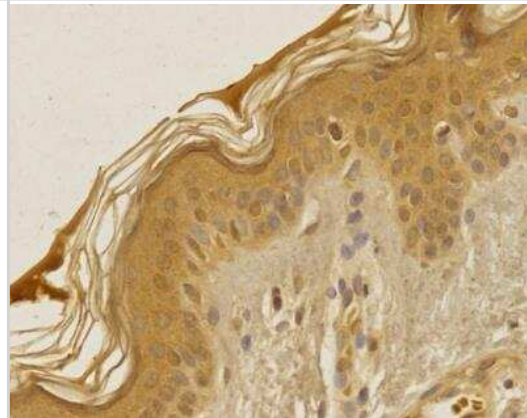
Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of TREX1 protein in a transverse section of normal skeletal muscle from human using 7.5 ug/ml concentration of TREX1 antibody. Specific staining was observed in the cytoplasm and the nuclei of the myocytes.



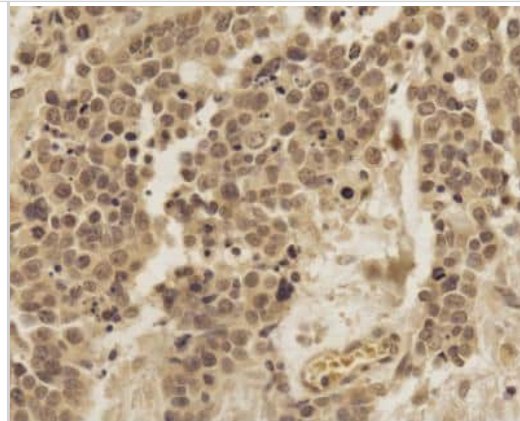
Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human normal prostate using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration. Cytoplasmic and nuclear staining was observed in the stromal as well as glandular cells/epithelial cell of prostate. [Magnification 40X].



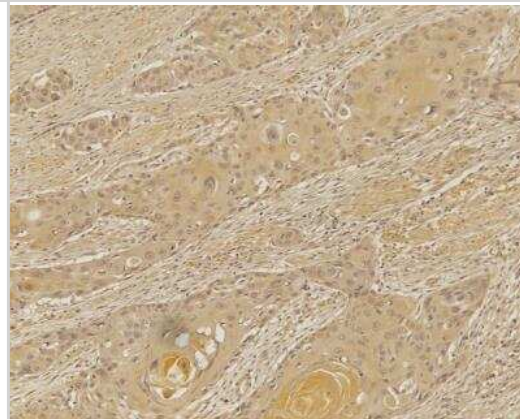
Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human normal skin using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration. Specific cytoplasmic and nuclear staining was observed in all the epidermal cells and some cells of the dermal layer [Magnification 40X].



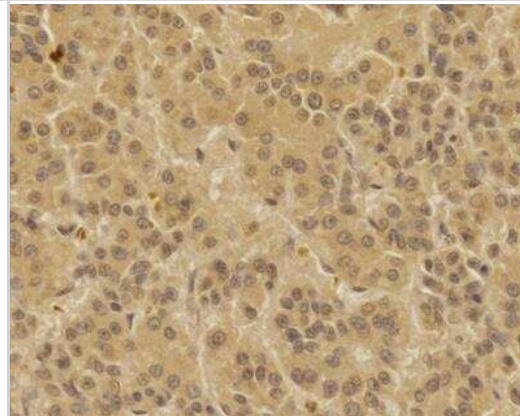
Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human bladder cancer using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration.



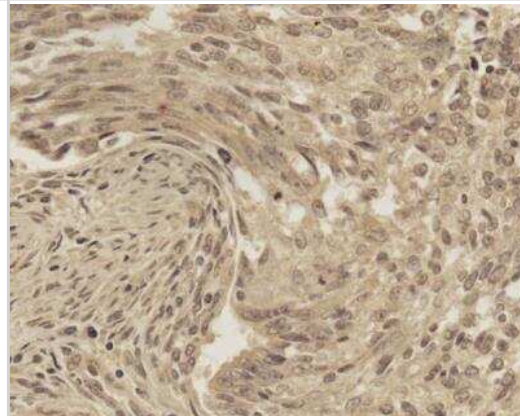
Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human esophageal squamous cell carcinoma (SCC) using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration.



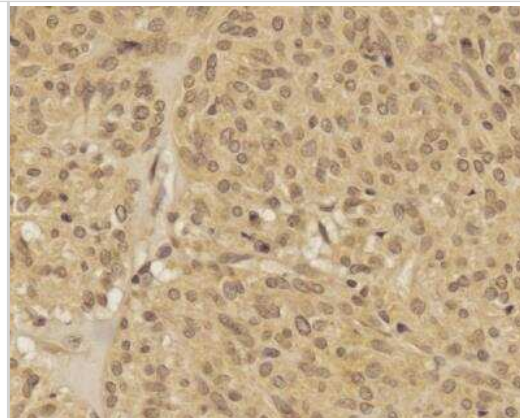
Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human hepatic/liver carcinoma using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration.



Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human uterine cancer using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration.



Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of malignant stromal tumor of the human small bowel using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration.



Immunohistochemistry-Paraffin: TREX1 Antibody [NBP2-29617] - Analysis of FFPE tissue section of human rectal adenocarcinoma using rabbit polyclonal TREX1 antibody at 7.5 ug/ml concentration.



Procedures

Immunohistochemistry-Paraffin protocol for TREX1 Antibody (NBP2-29617)

TREX1 Antibody:

1. Deparaffinize the tissue sections by immersing the slides in Xylene with two changes for 10 min each. Sections should not get dried at any stage from this point.
2. Rehydrate the tissue sections by immersing the slides in decreasing grades of ethanol as follows:
 - a. Immerse in 100% ethanol with 2 changes for 5 minutes each
 - b. Immerse in 95% ethanol with 2 changes for 5 minutes each
 - c. Immerse in 90% ethanol for 5 minutes
 - d. Immerse in 70% ethanol for 5 minutes
 - e. Immerse in 50% ethanol for 5 minutes
 - f. Immerse in distilled water for 5 minutes
3. Antigen Retrieval (Microwave Method):
 - a. Immerse the slides in a microwave compatible tray containing 10 mM Sodium Citrate buffer (pH 6.0) with 0.05% Tween 20.
 - b. Boil the slides and maintain the sub-boiling temperature for 5 minutes in the microwave. Thereafter, take out the tray very carefully and cool it at room temperature (RT) for about 30 minutes.
 - c. Wash the slides 3 times, 3 minutes each by immersing them in TBST (Tris Buffered Saline having 0.05% Tween 20).
4. Quenching of Endogenous Peroxidase:
 - a. Incubate the slides in 3% hydrogen peroxide prepared in methanol for 15 minutes (at RT, in dark conditions).
 - b. Wash the slides in TBST 3 times, 3 minutes each.
5. Protein Blocking:
 - a. Incubate the sections with background sniper solution at RT for 15 minutes (Biocare Medicals, USA).
 - b. Wash the sections 3 times, 3 min each by immersing the slides in TBST.
6. Primary Antibody:
 - a. Dilute the primary antibody at 5ug/ml concentration using PBS as a diluent.
 - b. Incubate the sections with diluted primary antibody for 90 minutes at RT in a humidified chamber.
 - c. Thereafter, wash the slides 4 times, 5 minutes each with TBST.
7. Probe (Secondary Reagent):
 - a. Incubate with MACH 1 Mouse probe for 15 minutes at RT.
 - b. Incubate for 30 min at room temperature with HRP-Polymer (Biocare Medical, USA).
 - c. Wash the slides with TBST 4 times, 5 minutes each
8. Chromogen:
 - a. Mix 32ul of DAB Chromogen with 1 ml of DAB substrate buffer (Biocare Medical, USA).
 - b. Apply 200ul DAB mixture/section and incubate at RT in dark conditions (few seconds - 5 minutes).
 - c. As soon as an appropriate color develops, rinse the slides with deionized water (2-3 brief rinses).
9. Counter stain:
 - a. Counter stain with Hematoxylin for 30 seconds (Vector Labs, USA).
 - b. Wash in deionized water for 1-2 minutes to clear the extra stain.
 - c. Incubate the slides in bluing solution or Scott's water twice for 2 minutes each time.
10. Dehydrate the sections in increasing grades of alcohols:
 - a. 50% alcohol for 1 minute
 - b. 70% for 1 minute
 - c. 90% for 1 minute
 - d. 95% for 1 minute
 - e. 100% for 1 minute
 - f. Xylene with 2 changes for 2 minutes each
11. Mount with DPX mount and cover-slip glass (Fisher Scientific, USA), carefully not allowing any air bubbles to enter.

NOTE:- This protocol is provided as a reference tool only. Depending upon the type of tissues /tissue processing and reagents employed, the end user will need to optimize the final conditions for achieving an expected staining.



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Products Related to NBP2-29617

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

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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