

Product Datasheet

EpCAM/TROP1 Antibody (EGP40/826) - Azide and BSA Free NBP2-47876-0.1mg

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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Updated 9/9/2025 v.20.1

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NBP2-47876-0.1mg

EpCAM/TROP1 Antibody (EGP40/826) - Azide and 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	Monoclonal
Clone	EGP40/826
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	41 kDa

Product Description	
Description	Novus Biologicals Mouse EpCAM/TROP1 Antibody (EGP40/826) - Azide and BSA Free (NBP2-44643) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4072
Gene Symbol	EPCAM
Species	Human, Mouse (Negative), Rat (Negative)
Marker	Epithelial Marker
Specificity/Sensitivity	Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). Ep-CAM is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. It is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. This epithelial antigen plays an important role as a tumor-cell marker in lymph nodes from patients with esophageal carcinoma otherwise classified as node-negative. Epithelial antigen has also been suggested as a discriminator between basal cell and baso-squamous carcinomas, and squamous cell carcinoma of the skin.
Immunogen	A synthetic peptide (around aa 20-60) from the N-terminus of human TACSTD1 protein.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot 0.5 - 1.0 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunofluorescence 1 - 2 ug/ml, CyTOF-ready

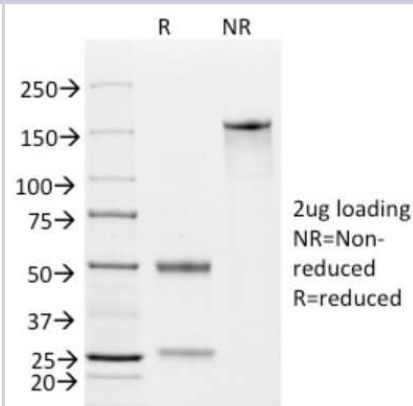


Application Notes

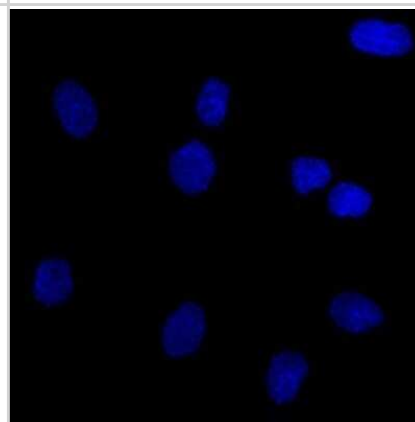
Hu-chromosome location: 2q21. Molecular weight of antigen: 40-43kDa.
 Immunohistochemistry-Paraffin: 0.5 - 1 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes.

Images

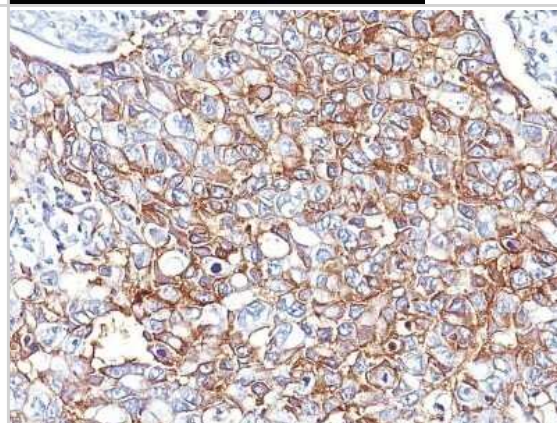
Western Blot: EpCAM/TROP1 Antibody (EGP40/826) - Azide and BSA Free [NBP2-47876] - SDS-Page: EpCAM/TROP1 Antibody (EGP40/826) [NBP2-44643]. Image using the standard format of this product.



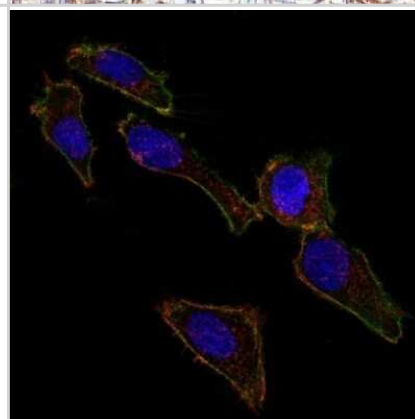
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/826) - Azide and BSA Free [NBP2-47876] - Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG1) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control). Image using the standard format of this product.



Immunohistochemistry: EpCAM/TROP1 Antibody (EGP40/826) - Azide and BSA Free [NBP2-47876] - Human Breast Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/826). Image using the standard format of this product.



Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/826) - Azide and BSA Free [NBP2-47876] - Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled EpCAM Monoclonal Antibody (EGP40/826) (Green). F-actin filaments were labeled with DyLight 554 Phalloidin (red). DAPI was used to stain the cell nuclei (blue). Image using the standard format of this product.





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Products Related to NBP2-47876-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-52190-0.05mg	Recombinant Human EpCAM/TROP1 His Protein

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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