

Product Datasheet

EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free NBP2-47877-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-47877-0.1mg

EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EGP40/837
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

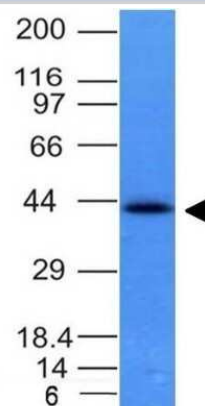
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44644). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	4072
Gene Symbol	EPCAM
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse, Feline, Canine or Rat.
Marker	Epithelial Marker
Specificity/Sensitivity	EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
Immunogen	Recombinant human EpCAM/TROP1 protein (Uniprot: P16422)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

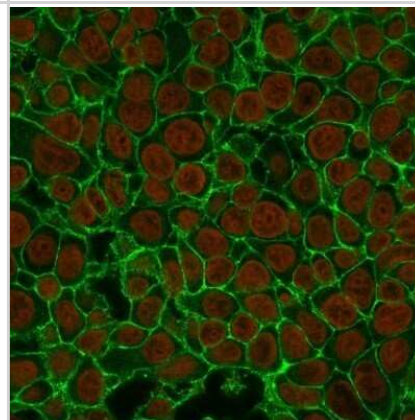


Images

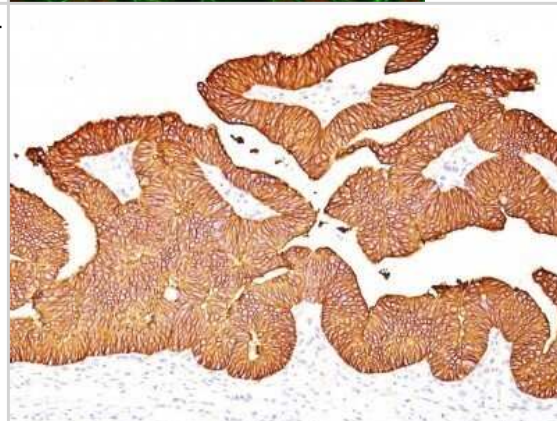
Western Blot: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - HCT116 Cell Lysate using Ep-CAM Monoclonal Antibody (EGP40/837).



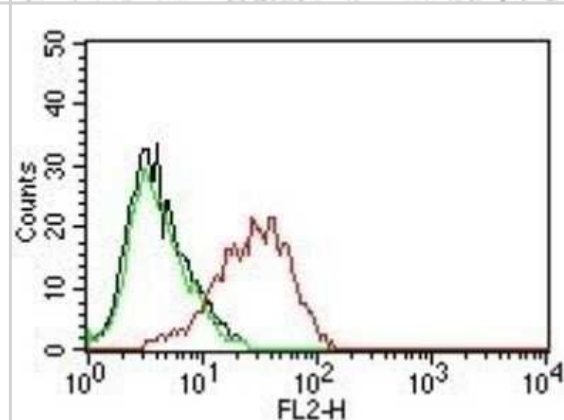
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - Immunofluorescence Analysis of MCF-7 cells labeling Ep-CAM with EpCAM/TROP1 Antibody (EGP40/837) followed by Goat anti-Mouse IgG-CF488(Green). The nuclear counterstain is NucSpot (Red).



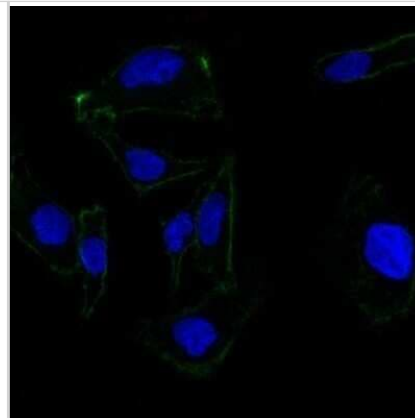
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - Human Colon Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/837).



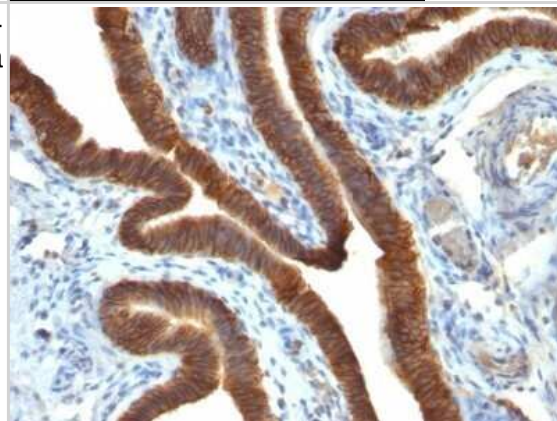
Flow Cytometry: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - Flow Cytometry of human MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled EpCAM/TROP1 Antibody (EGP40/837).



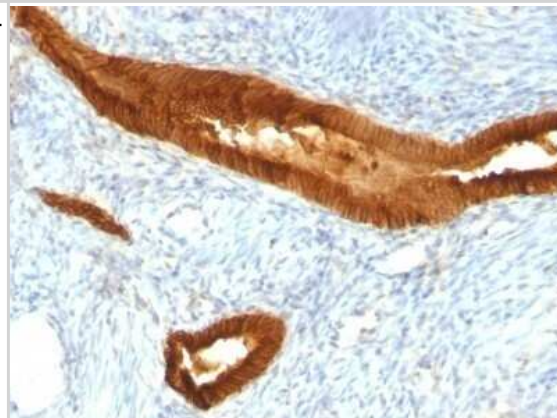
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled EpCAM Monoclonal Antibody (EGP40/837) (Green). DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - Human Ovarian Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/837).



Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/837) - (ECD) - Azide and BSA Free [NBP2-47877] - Human Endometrial Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/837).





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Products Related to NBP2-47877-0.1mg

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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