

# Product Datasheet

## EpCAM/TROP1 Antibody (EGP40/826) - IHC-Prediluted NBP2-48288

Unit Size: 7 ml

Store at 4C.

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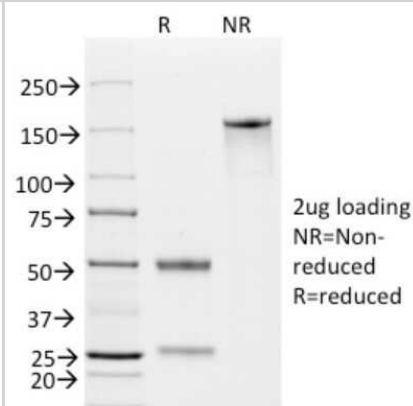


**NBP2-48288****EpCAM/TROP1 Antibody (EGP40/826) - IHC-Prediluted**

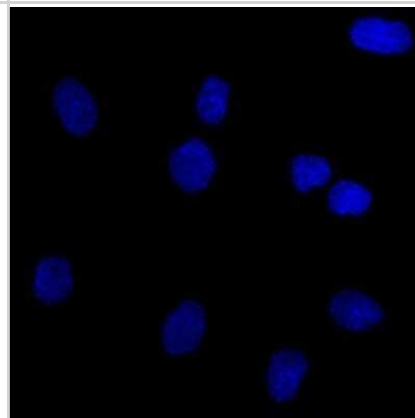
<b>Product Information</b>	
<b>Unit Size</b>	7 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	EGP40/826
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10mM PBS and 0.05% BSA
<b>Target Molecular Weight</b>	41 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4072
<b>Gene Symbol</b>	EPCAM
<b>Species</b>	Human, Mouse (Negative), Rat (Negative)
<b>Marker</b>	Epithelial Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	A synthetic peptide (around aa 20-60) from the N-terminus of human TACSTD1 protein.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
<b>Application Notes</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. 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. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

## Images

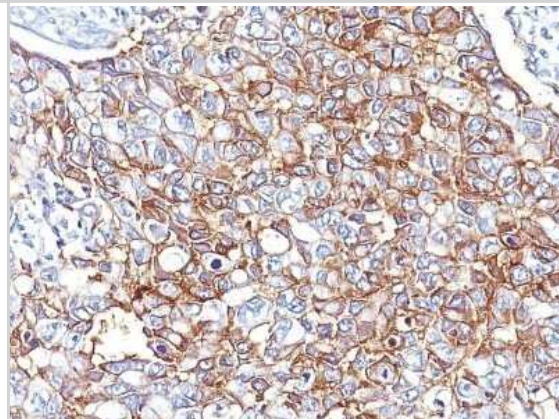
Western Blot: EpCAM/TROP1 Antibody (EGP40/826) - IHC-Prediluted [NBP2-48288] - SDS-Page: EpCAM/TROP1 Antibody (EGP40/826) [NBP2-44643]. Image using the standard format of this product.



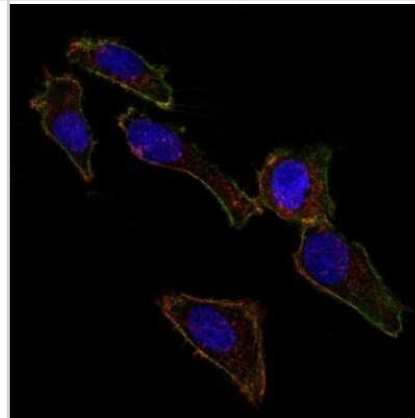
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/826) - IHC-Prediluted [NBP2-48288] - Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG1) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control). Image using the standard format of this product.



Immunohistochemistry: EpCAM/TROP1 Antibody (EGP40/826) - IHC-Prediluted [NBP2-48288] - Human Breast Carcinoma stained with EpCAM Monoclonal Antibody (EGP40/826). Image using the standard format of this product.



Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/826) - IHC-Prediluted [NBP2-48288] - 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 NBP2-48288**

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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

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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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