

# Product Datasheet

## **EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free**

### **NBP2-54348-100ug**

Unit Size: 100 ug

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

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**NBP2-54348-100ug**

EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EGP40/1373
Preservative	No Preservative
Isotype	IgG Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

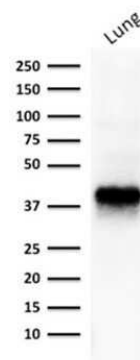
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53277).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	4072
Gene Symbol	EPCAM
Species	Human, Canine, Feline
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. 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 fragment from the extracellular domain of human EpCAM/TROP1 protein (around aa100-224) (exact sequence is proprietary) (Uniprot: P16422 )

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

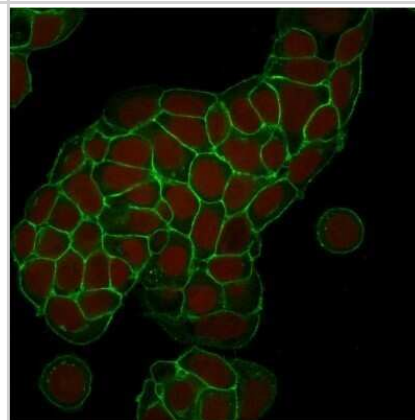


## Images

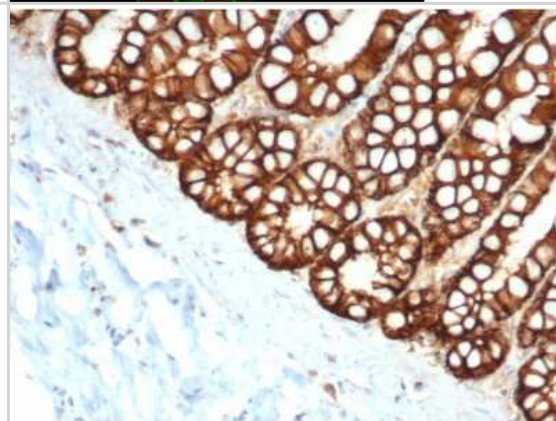
Western Blot: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Western Blot Analysis of human lung lysate using EpCAM/TROP1 Antibody (EGP40/1373).



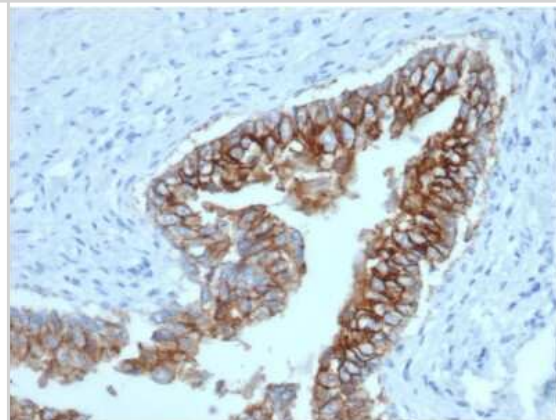
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Confocal Immunofluorescence of MCF-7 cells. EpCAM/TROP1 Antibody (EGP40/1373). labeled with CF488 (Green); Red Dot is used to label the nuclei.



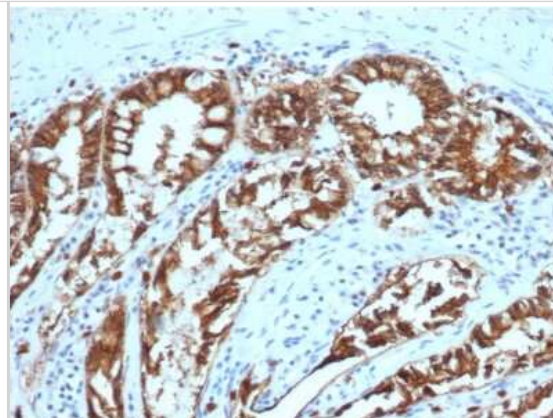
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Formalin-fixed, paraffin-embedded feline (cat) small intestine stained with EpCAM/TROP1 Antibody (EGP40/1373) - (ECD).



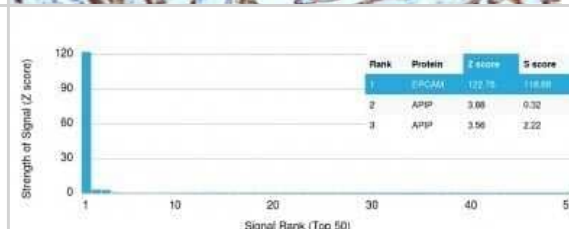
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Formalin-fixed, paraffin-embedded canine (dog) bladder stained with EpCAM/TROP1 Antibody (EGP40/1373) - (ECD).



Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Formalin-fixed, paraffin-embedded canine (dog) colon stained with EpCAM/TROP1 Antibody (EGP40/1373) - (ECD).



Protein Array: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Analysis of Protein Array containing >19,000 full-length human proteins using EpCAM/TROP1 Antibody (EGP40/1373) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5.





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### **Products Related to NBP2-54348-100ug**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-52190-0.05mg	Recombinant Human EpCAM/TROP1 His Protein
202-IL-010	IL-2 [Unconjugated]

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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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