

# 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.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:

[www.novusbio.com/NBP2-54348](http://www.novusbio.com/NBP2-54348)

Updated 7/16/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-54348](http://www.novusbio.com/reviews/destination/NBP2-54348)



**NBP2-54348-100ug**

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

**Product Information**

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

**Product Description**

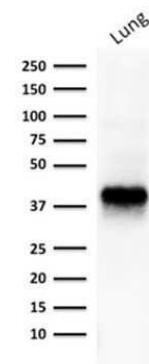
<b>Description</b>	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53277).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
<b>Host</b>	Mouse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

**Product Application Details**

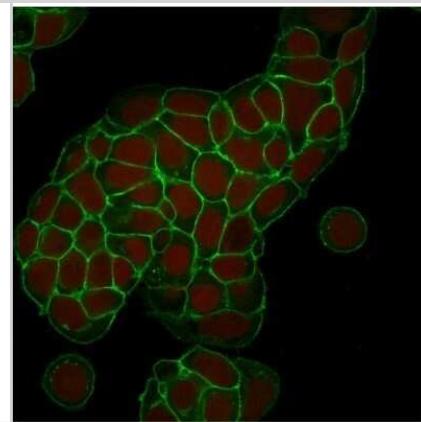
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Protein Array, CyTOF-ready
<b>Application Notes</b>	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

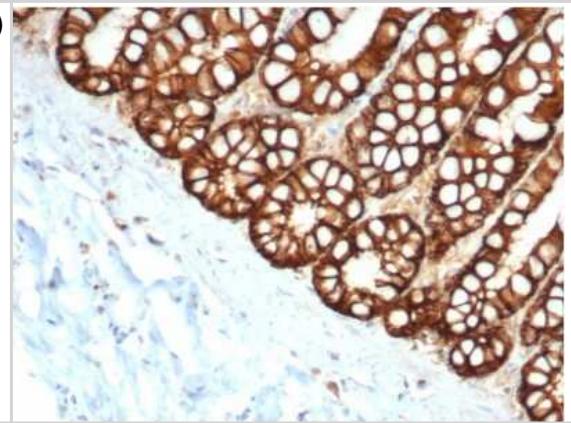
Western Blot: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Western Blot Analysis of human lung lysate using EpCAM/TROP1 Antibody (EGP40/1373).



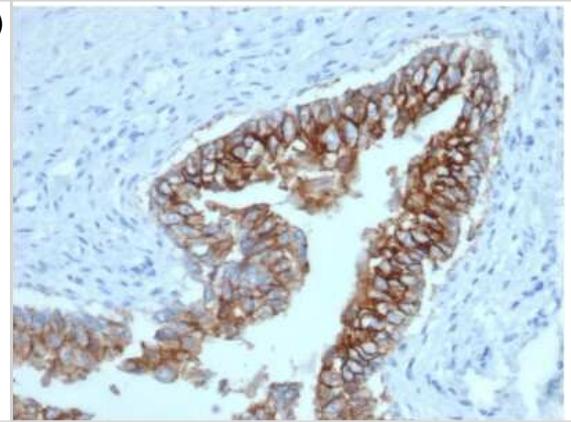
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Confocal Immunofluorescence of MCF-7 cells. EpCAM/TROP1 Antibody (EGP40/1373) labeled with CF488 (Green); Red Dot is used to label the nuclei.



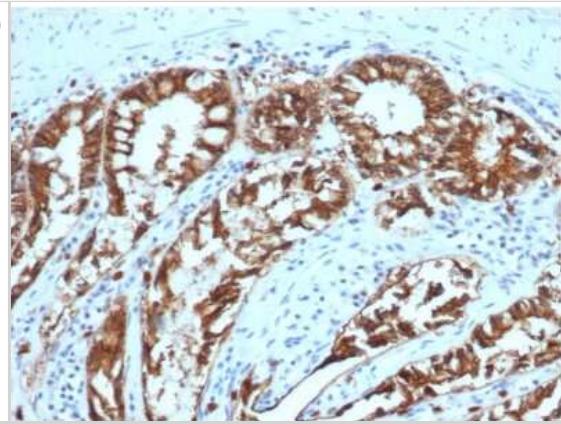
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Formalin-fixed, paraffin-embedded feline (cat) small intestine stained with EpCAM/TROP1 Antibody (EGP40/1373) - (ECD).



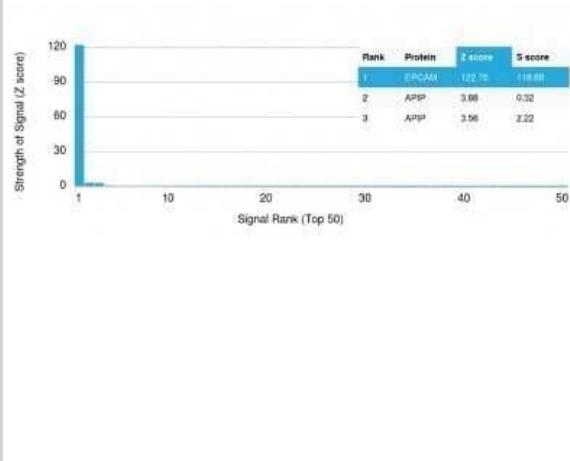
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1373) - (ECD) - Azide and BSA Free [NBP2-54348] - Formalin-fixed, paraffin-embedded canine (dog) bladder stained with EpCAM/TROP1 Antibody (EGP40/1373) - (ECD).



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.





## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Products Related to NBP2-54348-100ug

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]

## 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-54348](http://www.novusbio.com/reviews/submit/NBP2-54348)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)