

# Product Datasheet

## EpCAM/TROP1 Antibody (EGP40/1110) - (ECD) NBP2-44635-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44635-0.1mg**

EpCAM/TROP1 Antibody (EGP40/1110) - (ECD)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	EGP40/1110
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47873)  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 cytoplasmic domain (around aa 289-314) of human EpCAM/TROP1 (exact sequence is proprietary) (Uniprot: P16422 )

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 0.5 - 1.0 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID: 33000764). 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.





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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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