



Recombinant EpCAM Antibody [EGP40/1555R]

Cat. No.: 34-080



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human
IMMUNOGEN:	A portion of amino acids 20-60 was used as the immunogen for the recombinant EpCAM antibody.
TESTED APPLICATIONS:	IHC-P
APPLICATIONS:	Prediluted IHC only format: incubate for 30 min at RT (1) Titering of the recombinant EpCAM antibody may be required for optimal performance. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
SPECIFICITY:	Does not react with mouse or rat

Ψ Properties

PURIFICATION:	Protein A affinity chromatography
CLONALITY:	Monoclonal
ISOTYPE:	IgG, kappa

CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at 2-8 °C. Avoid freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	EPCAM
ALTERNATE NAMES:	Epithelial cell adhesion molecule, Ep-CAM, Adenocarcinoma-associated antigen, Cell surface glycoprotein Trop-1, Epithelial cell surface antigen, Epithelial glycoprotein, EGP, Epithelial glycoprotein 314, EGP314, hEGP314, KS 1/4 antigen, KSA, Major gastrointestinal tumor-associated protein GA733-2, Tumor-associated calcium signal transducer 1, CD326, EPCAM, GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1
GENE ID:	4072
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Background and References

BACKGROUND:	Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). EpCAM 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.
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