

Product Datasheet

Recombinant EpCAM Antibody / Rabbit Monoclonal (orb2642100)

Catalog Number	orb2642100
Category	Antibodies
Description	Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (EpCAM). 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.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A affinity chromatography
Immunogen	Recombinant full length protein was used as the immunogen for the recombinant EpCAM antibody.

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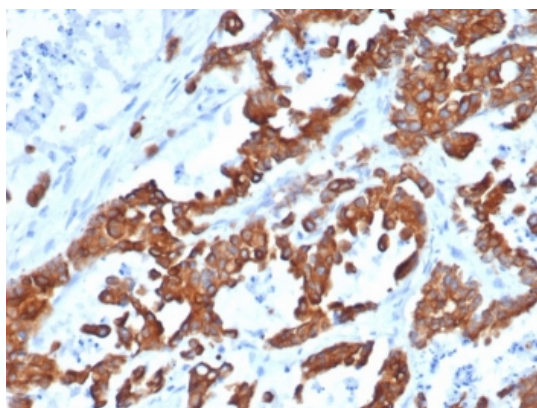
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UniProt ID	P16422
Tested applications	FACS, IF, IHC-P
Dilution range	Flow cytometry: 1-2ug/10 ⁶ cells, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT, Immunofluorescence: 1-2ug/ml
Application notes	Titering of the recombinant EpCAM antibody 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.
Antibody Type	Primary Antibody
Clone Number	EGP40/1555R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human prostate carcinoma and recombinant EpCAM antibody (clone EGP40/1555R). HIER: steam sections in pH9 EDTA for 10-20 min.

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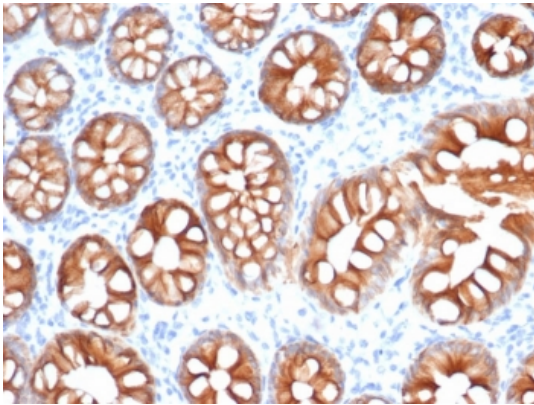
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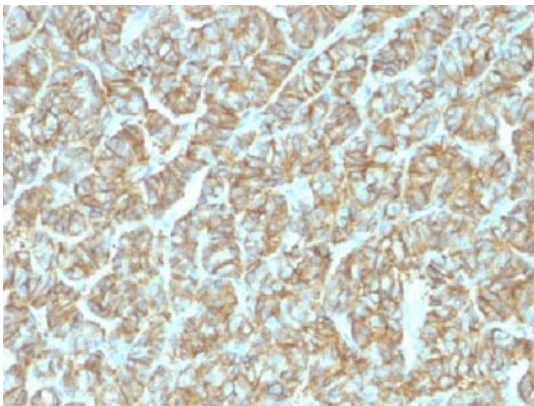
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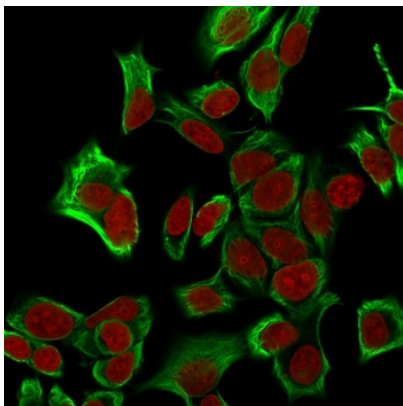
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IHC testing of FFPE human colon carcinoma and recombinant EpCAM antibody (clone EGP40/1555R). HIER: steam sections in pH9 EDTA for 10-20 min.



IHC testing of FFPE human thyroid carcinoma and recombinant EpCAM antibody (clone EGP40/1555R). Required HIER: steam sections in pH6 citrate buffer for 10-20 min.



Immunofluorescent staining of MeOH fixed human HeLa cells with recombinant EpCAM antibody (clone EGP40/1555R, green) and Reddot nuclear stain (red).

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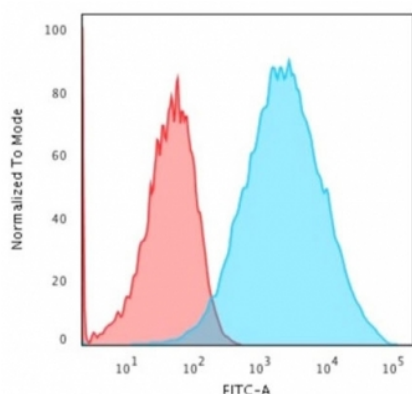
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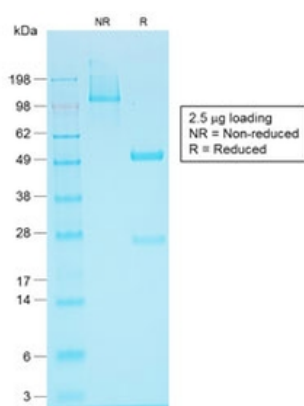
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Flow cytometry testing of human MCF7 cells with recombinant EpCAM antibody (clone EGP40/1555R); Red = isotype control, Blue = recombinant EpCAM antibody.



SDS-PAGE analysis of purified, BSA-free recombinant EpCAM antibody (clone EGP40/1555R) as confirmation of integrity and purity.

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