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36-2734: Anti-Ep-CAM / CD326 (Extracellular Domain) (Epithelial Marker) Monoclonal Antibody(Clone: EGP40/2041R)

Clonality: Monoclonal **Clone Name:** EGP40/2041R

Application: IHC Reactivity: Human Gene: TACSTD1 Gene ID: 4072 **Uniprot ID:** P16422

Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40;

Alternative Name: Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TROP1;

Tumor-associated Calcium Signal Transducer 1 (TACSTD1)

Isotype: Rabbit IaG

Recombinant human EpCAM fragment from extracellular domain (around aa100-224) (exact Immunogen Information:

sequence is proprietary)

Description

Epitope of this MAb is mapped between aa 202-212 of EGP40, which 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 basolateral cell surface in most simple epithelia and a vast majority of carcinomas. Antibody to Ep-CAM 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.

Product Info

Amount: 20 μg / 100 μg

200 μg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Content:

Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &deqC followed by cooling at RT for 20 minutes),

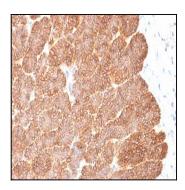
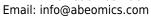
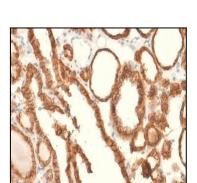


Fig. 1: Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2041R).







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Fig. 2: Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2041R).

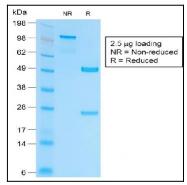


Fig. 3: SDS-PAGE Analysis Purified EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2041R).

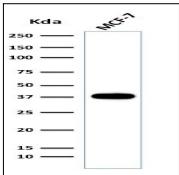


Fig. 4: Western Blot of MCF-7 cell lysate using EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2041R).

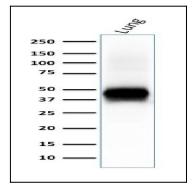


Fig. 5: Western Blot of human lung lysate using EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2041R).