

## Product Datasheet

### Cytokeratin 7/17 Antibody (orb2644140)

<b>Catalog Number</b>	orb2644140
<b>Category</b>	Antibodies
<b>Description</b>	<p>It recognizes intermediate filament proteins (IFP's) of 55kDa and 46kDa, which are identified as Cytokeratin 7 and Cytokeratin 17 respectively. On formalin-fixed, paraffin embedded sections, C-46 reacts with Keratin 7 only. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Cytokeratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. Cytokeratin 17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. Cytokeratin 17 antibody marks basal cell differentiation.</p>
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
<b>Purification</b>	Protein G affinity chromatography

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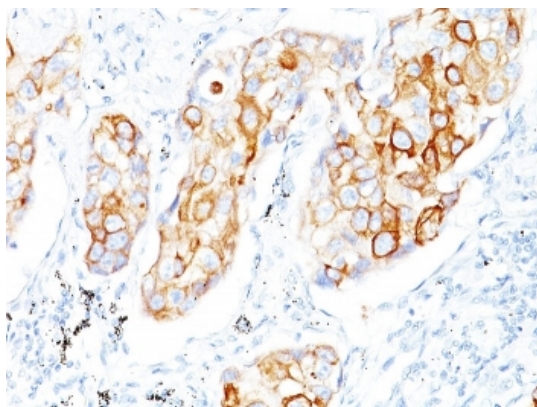
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<b>Immunogen</b>	A cytoskeletal preparation from human HeLa cells was used as the immunogen for this Cytokeratin 7/17 antibody.
<b>UniProt ID</b>	<b>P08729, Q04695</b>
<b>Tested applications</b>	IF, IHC-P, WB
<b>Dilution range</b>	Immunofluorescence: 1-2ug/ml,Western blot: 1-2ug/ml (CK7 + CK17),Immunohistochemistry (FFPE): 1-2ug/ml (CK7)
<b>Application notes</b>	Optimal dilution of the Cytokeratin 7/17 antibody should be determined by the researcher.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	C-46
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC staining of FFPE human lung small cell carcinoma with Cytokeratin 7/17 antibody (clone C-46). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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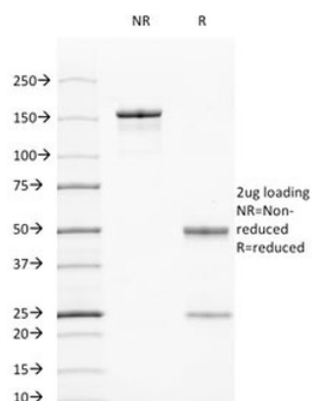
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SDS-PAGE analysis of purified, BSA-free Cytokeratin 7/17 antibody (clone C-46) as confirmation of integrity and purity.

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