

Product Datasheet

Cytokeratin 7/17 Antibody (orb640097)

Catalog Number	orb640097
Category	Antibodies
Description	<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>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography

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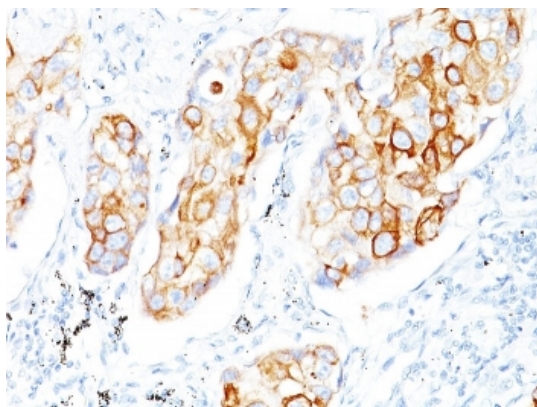
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Immunogen	A cytoskeletal preparation from human HeLa cells was used as the immunogen for this Cytokeratin 7/17 antibody.
UniProt ID	P08729, Q04695
Tested applications	IF, IHC-P, WB
Dilution range	Immunofluorescence: 1-2ug/ml,Western blot: 1-2ug/ml (CK7 + CK17),Immunohistochemistry (FFPE): 1-2ug/ml (CK7)
Application notes	Optimal dilution of the Cytokeratin 7/17 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	C-46
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 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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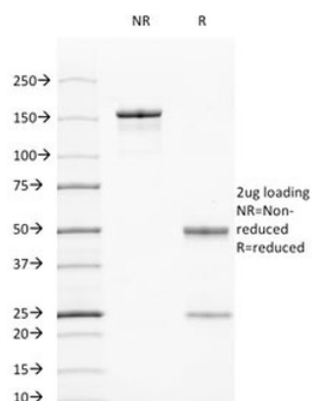
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SDS-PAGE analysis of purified, BSA-free Cytokeratin 7/17 antibody (clone C-46) as confirmation of integrity and purity.

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