

Product Datasheet

Cytokeratin 8 Antibody (orb248434)

Catalog Number	orb248434
Category	Antibodies
Description	<p>Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). Cytokeratin 8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibody that recognizes only cytokeratin 8 and 18. Cytokeratin 8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon, stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. antibody to Cytokeratin 8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against Cytokeratin 8, 18 and 19). Reportedly, Cytokeratin 8 antibody is useful for the differentiation of lobular (i.e. ring-like, perinuclear) from ductal (i.e. peripheral-predominant) carcinoma of the breast.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Rat
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
Immunogen	A cytoskeleton preparation containing Cytokeratin 8 was used as the immunogen for this antibody.

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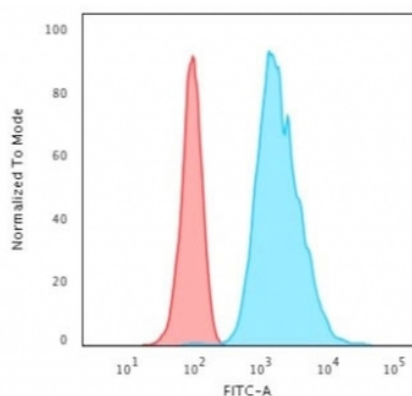
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Tested applications	FACS, IF, IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titrated up or down for optimal performance. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. 2. 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	H1
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.



Flow cytometry testing of permeabilized human HeLa cells with Cytokeratin 8 antibody (clone H1); Red = isotype control, Blue = Cytokeratin 8 antibody.

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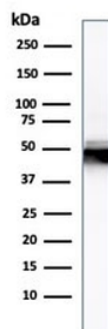
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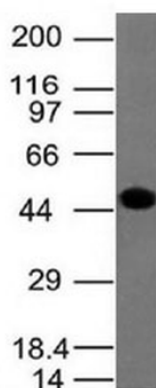
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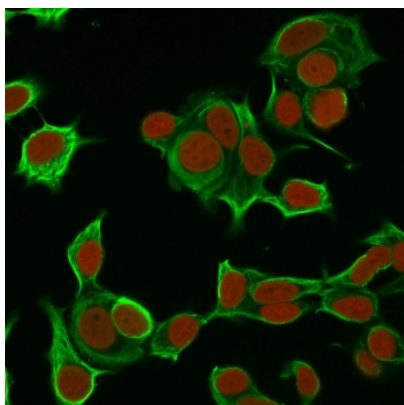
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Western blot testing of human HCT-116 lysate with Cytokeratin 8 antibody.



Western blot testing of A431 lysate with Cytokeratin 8 antibody



Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 8 antibody (clone H1, green) and Reddot nuclear stain (red).

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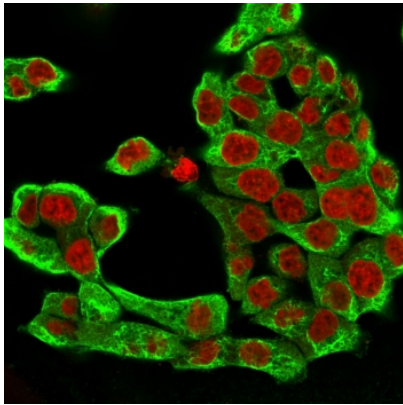
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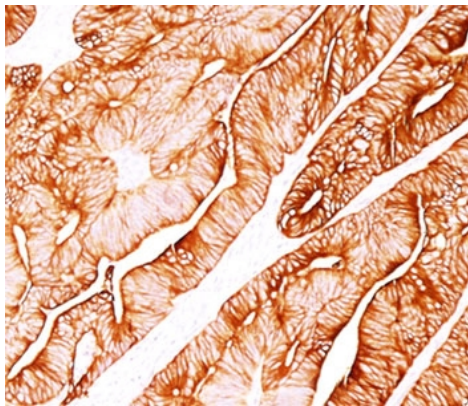
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Immunofluorescent staining of permeabilized human HCT-116 cells with Cytokeratin 8 antibody (clone H1, green) and Reddot nuclear stain (red).



IHC testing of human colon carcinoma stained with Cytokeratin 8 antibody

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