

## Product Datasheet

### Cytokeratin 8/18 Antibody Cocktail (orb2639610)

<b>Catalog Number</b>	orb2639610
<b>Category</b>	Antibodies
<b>Description</b>	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). This mAb cocktail recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained. Immuno-histochemical staining with this mAb is indistinguishable from that obtained with monoclonal antibody 5D3.
<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>	Prediluted in 1X PBS, 0.1 mg/ml rAlbumin, 0.05% sodium azide; For IHC use only
<b>Purification</b>	Protein G affinity chromatography
<b>Immunogen</b>	Recombinant full-length human KRT8 protein (KRT8/803) and KRT18 protein (KRT18/835) were used as the immunogen for the Cytokeratin 8/18 antibody cocktail.
<b>UniProt ID</b>	<b>P05783, P05787</b>

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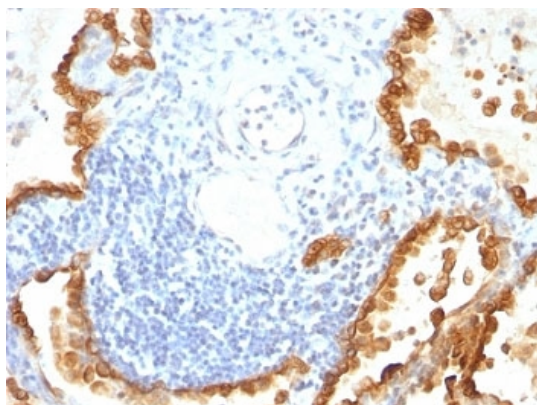
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<b>Tested applications</b>	IHC-P
<b>Dilution range</b>	The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
<b>Application notes</b>	Optimal dilution of the Cytokeratin 8/18 antibody cocktail should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	KRT8/803 + KRT18/835
<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: Formalin-fixed, paraffin-embedded human lung carcinoma stained with Cytokeratin 8/18 antibody (KRT8/803 + KRT18/835).

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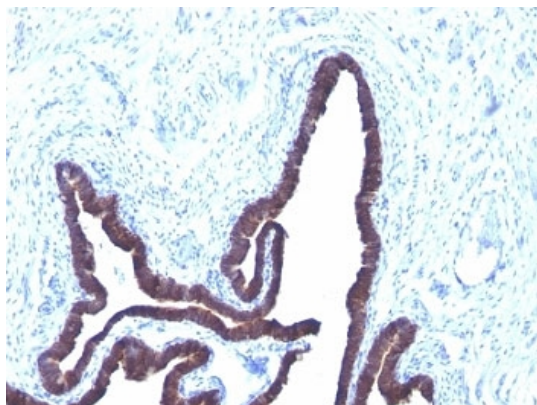
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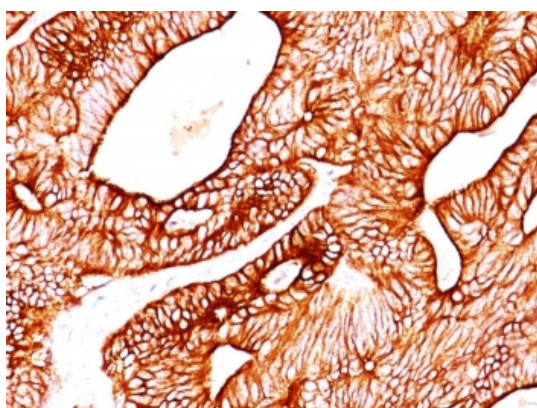
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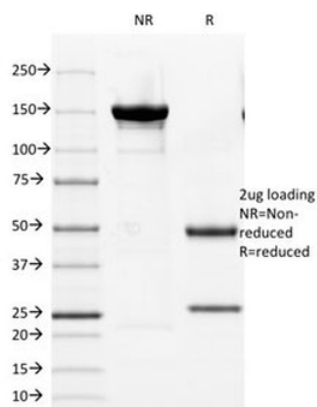
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IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Cytokeratin 8/18 antibody (KRT8/803 + KRT18/835).



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cytokeratin 8/18 antibody (KRT8/803 + KRT18/835).



SDS-PAGE analysis of purified, BSA-free Cytokeratin 8 antibody (clone KRT8/803) as confirmation of integrity and purity.

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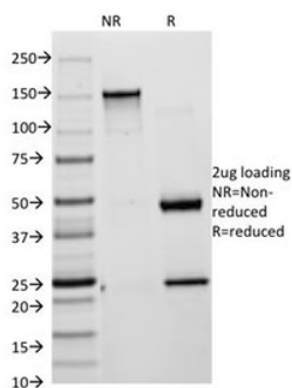
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SDS-PAGE analysis of purified, BSA-free Cytokeratin 18 antibody (clone KRT18/835) as confirmation of integrity and purity.

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