

Product Datasheet

KRT7 Antibody / Cytokeratin 7 (orb2638721)

Description	CK7 blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7). Expressed in cultured epidermal, bronchial and mesothelial cells. [UniProt]
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FACS, IF, IHC-P, WB
Immunogen	OTN 11 cells (ovarian carcinoma cell line) were used as the immunogen for the Cytokeratin 7 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
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
Application notes	The stated application concentrations are suggested starting amounts. Optimal dilution of the Cytokeratin 7 antibody should be determined by the researcher. ¹ 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. ³ View the recombinant version of this Cytokeratin 7 antibody.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal

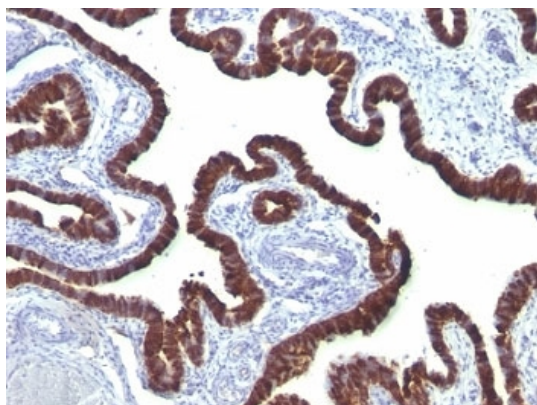
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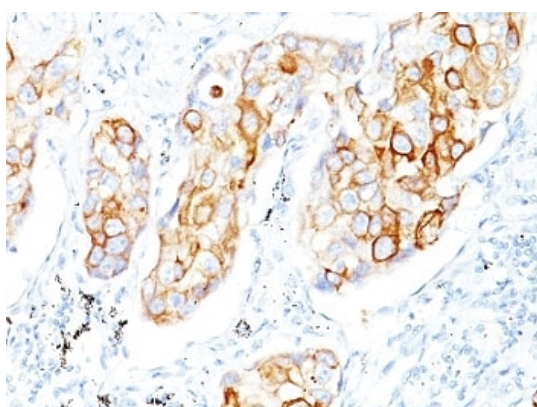
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Clone Number	OV-TL12/30
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	P08729
Hazard Information	This Cytokeratin 7 antibody is available for research use only.
Dilution Range	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded ovarian carcinoma stained with Cytokeratin 7 antibody (clone OV-TL12/30). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



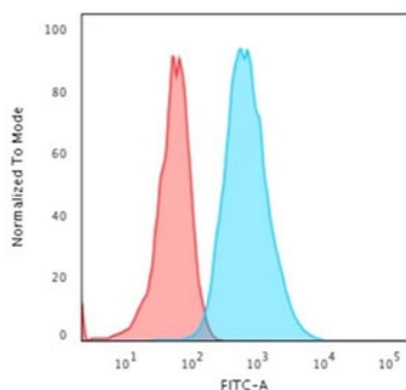
IHC: Formalin-fixed, paraffin-embedded human lung SCC stained with Cytokeratin 7 antibody (clone OV-TL12/30). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

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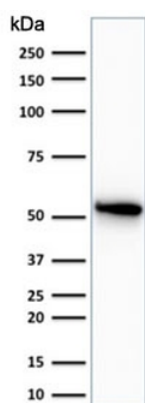
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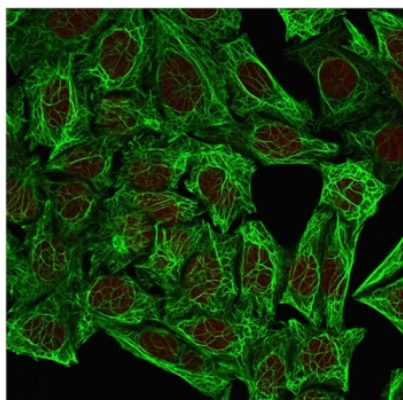
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Flow cytometry testing of PFA-fixed human HeLa cells with Cytokeratin 7 antibody (clone OV-TL12/30); Red = isotype control, Blue = recombinant Cytokeratin 7 antibody.



Western blot testing of human HeLa cell lysate with Cytokeratin 7 antibody (clone OV-TL12/30).



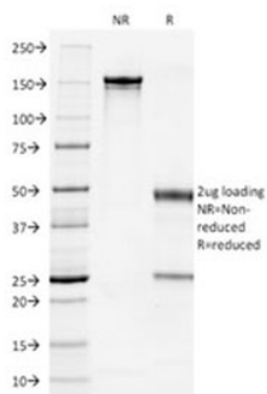
Immunofluorescent staining of methanol-fixed human HeLa cells with Cytokeratin 7 antibody.

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SDS-PAGE analysis of purified, BSA-free Cytokeratin 7 antibody (clone OV-TL12/30) as confirmation of integrity and purity.

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