

Product Datasheet

Cytokeratin 18 Antibody (orb43746)

Catalog Number	orb43746
Category	Antibodies
Description	Mouse monoclonal antibody to Cytokeratin 18
Target	Cytokeratin 18
Clonality	Monoclonal
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Purification	Purified by protein-A affinity chromatography.
Immunogen	Human breast carcinoma cell line PMC-42.
UniProt ID	P05783
RRID	AB_10989892
Tested applications	ELISA, ICC, IHC-P, IP, WB

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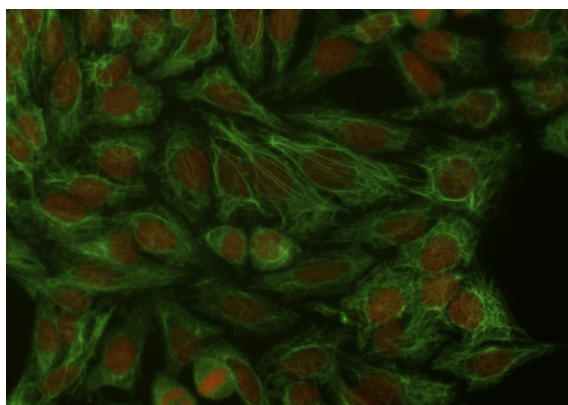
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Application notes	Western blotting: Recommended dilution: 1-2 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: colon, skin. Immunocytochemistry: Positive control: MCF-7 human breast adenocarcinoma cell line, HeLa human cervix carcinoma cell line. ELISA: Positive control: MCF-7 human breast adenocarcinoma cell line; the antibody DA-7 has been tested as the detection antibody in a sandwich ELISA for analysis of Cytokeratin 18 in combination with the antibody C-04 (cat. no. orb43702).
Specificity	The mouse monoclonal antibody DA-7 reacts with cytokeratin 18 (45 kDa). Cytokeratins are members of intermediate filaments subfamily of intracellular proteins represented in epithelial tissues.
Antibody Type	Primary Antibody
Clone Number	DA-7
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
Entrez	3875
Expiration Date	12 months from date of receipt.



Immunocytochemistry staining of cytokeratin 18 in Hep-2 cells using mouse monoclonal antibody DA-7 (orb43746, diluted 1:400), detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green), cell nuclei stained with PI (1 µg/ml; orange).

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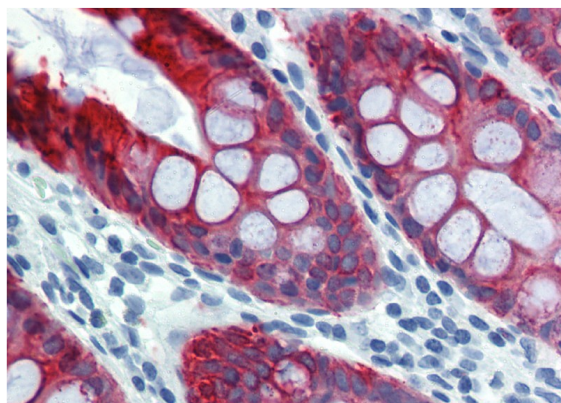
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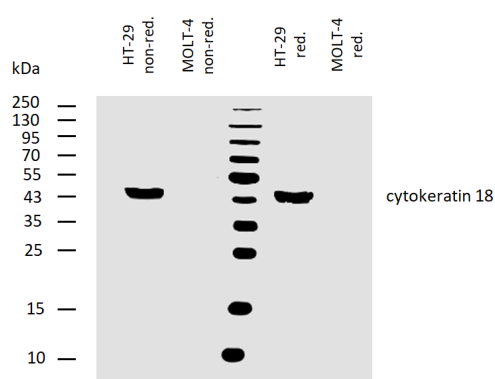
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Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 18 (clone DA-7).



Western blotting analysis of human cytokeratin 18 using mouse monoclonal antibody DA-7 on lysates of HT-29 cell line and MOLT-4 cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions.

Nitrocellulose membrane was probed with 2 $\mu\text{g}/\text{ml}$ of mouse anti-cytokeratin 18 monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for cytokeratin 18 at approximately 46 kDa.

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