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30-1052: Anti-Cytokeratin 19 Monoclonal Antibody (Clone:A53-B/A2)

Clonality :	Monoclonal
Clone Name :	A53-B/A2
Application :	IHC
Reactivity :	Human
Gene :	KRT19
Gene ID :	3880
Uniprot ID :	P08727
Format :	Purified
Alternative Name :	KRT19
Isotype :	Mouse IgG2a
Immunogen Information :	MCF-7 human breast adenocarcinoma cell line

Description

Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml. Intracellular staining.
Immunohistochemistry: Recommended dilution: 5-10 µg/ml.
Western blotting: Recommended dilution: 1-2 µg/ml, positive control: MCF-7, BA-17, HT-29 cells.

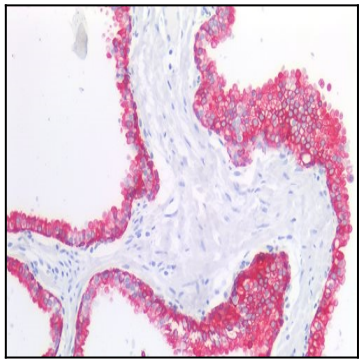

Figure-1: Immunohistochemistry staining of human prostate (paraffin sections) using anti-cytokeratin 19 (A53-B/A2).

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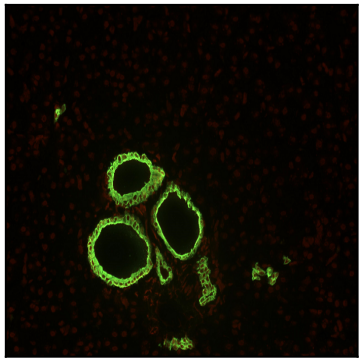

Figure-2: Immunohistochemistry staining (paraffin sections) of cytokeratin 19 in human liver using mouse monoclonal antibody A53-B/A2 (30-1052, diluted 1:100), detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green), cell nuclei stained with PI (1µg/ml; orange).

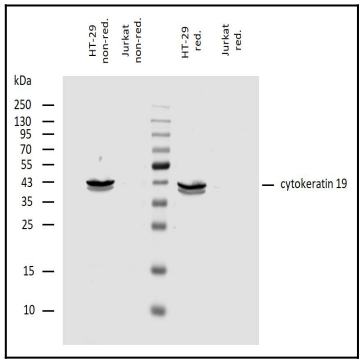

Figure-3: Western blotting analysis of human cytokeratin 19 using mouse monoclonal antibody A53-B/A2 on lysates of HT-29 cell line and Jurkat cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-cytokeratin 19 monoclonal antibody A53-B/A2 followed by IRDye800-conjugated anti-mouse IgG1 secondary antibody. A specific band was detected for cytokeratin 19 at approximately 40 kDa.