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Datasheet for ABIN94292  
**anti-Keratin 5/8 antibody**

3 Images

1 Publication

### Overview

Quantity:	0.1 mg
Target:	Keratin 5/8 (KRT5/8)
Reactivity:	Human, Mouse, Pig, Cow, Rat, Dog, Hamster, Sheep
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 5/8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunoprecipitation (IP)

### Product Details

Immunogen:	Cytoskeleton preparation from HeLa cells.
Clone:	C-50
Isotype:	IgG1
Specificity:	The antibody C-50 reacts with cytokeratin peptides 5 and 8 (58 and 53 kDa). Cytokeratins are members of intermediate filaments subfamily of intracellular proteins represented in epithelial tissues.
No Cross-Reactivity:	Chicken, Xenopus laevis
Cross-Reactivity (Details):	Human, Sheep, Canine (Dog), Hamster, Mouse, Rat, Bovine, Porcine
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

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Target:	Keratin 5/8 (KRT5/8)
Alternative Name:	Cytokeratin 5+8 ( <a href="#">KRT5/8 Products</a> )
Background:	Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. They 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.,K5, K8, CK5, CK8, CYK5, CYK8, KRT5, KRT8

## Application Details

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Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL, positive control: human prostate.
Restrictions:	For Research Use only

## Handling

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Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

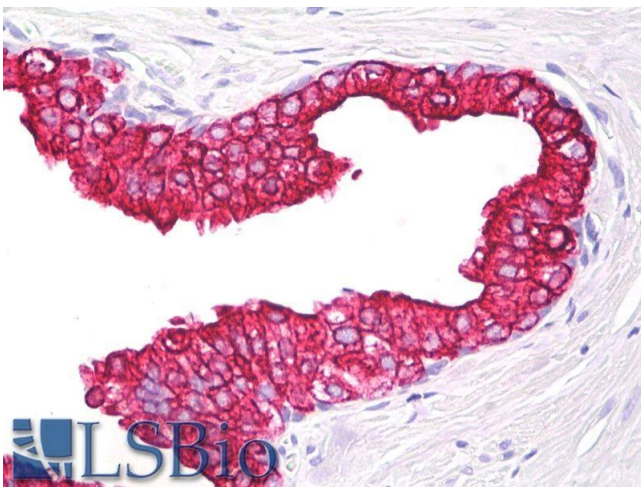
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Product cited in:	Bártek, Vojtšek, Stasková, Bártková, Kerekés, Rejthar, Kovarik: "A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology." in: <b>The Journal of pathology</b> , Vol. 164, Issue 3, pp. 215-24, (1991) ( <a href="#">PubMed</a> ).
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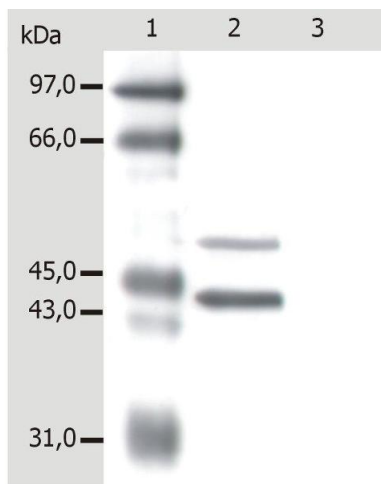
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry staining of human prostate (paraffin section) using anti-cytokeratin 5/8 (clone C-50).



### Immunohistochemistry

**Image 2.** Immunohistochemistry staining of human prostate (paraffin section) using anti-cytokeratin 5+18 (clone C-50). Commercially tested by LifeSpan BioSciences



### Western Blotting

**Image 3.** Western Blotting analysis of whole cell lysate of MCF-7 human breast adenocarcinoma cell line. Lane 1: MW standard Lane 2: immunostaining with anti-cytokeratin 5+18 (clone C-50) Lane 3: immunostaining with Isotype mouse IgG1 control (PPV-06)