

Datasheet for ABIN94300

anti-KRT8 antibody

3 Images

1 Publication

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Overview

Quantity:	0.1 mg
Target:	KRT8
Reactivity:	Human, Cow, Pig, Rabbit, Sheep
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Cytoskeleton preparation from HeLa human cervix carcinoma cell line.
Clone:	C-43
Isotype:	IgG1
Specificity:	The antibody C-43 reacts with cytokeratin 8 (52.5 kDa intracellular antigen). Cytokeratins are members of intermediate filaments subfamily represented in epithelial tissues.
No Cross-Reactivity:	Chicken, Hamster, Mouse, Rat, Xenopus laevis
Cross-Reactivity (Details):	Sheep, Human, Bovine, Rabbit, Porcine
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	KRT8
Alternative Name:	Cytokeratin 8 (KRT8 Products)
Background:	Keratin 8,Cytokeratins are a subfamily of intermediate filaments and are 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.,K8, CK8, CYK8, KRT8, K2C8, CARD2
Gene ID:	3856
UniProt:	Q7L4M3

Application Details

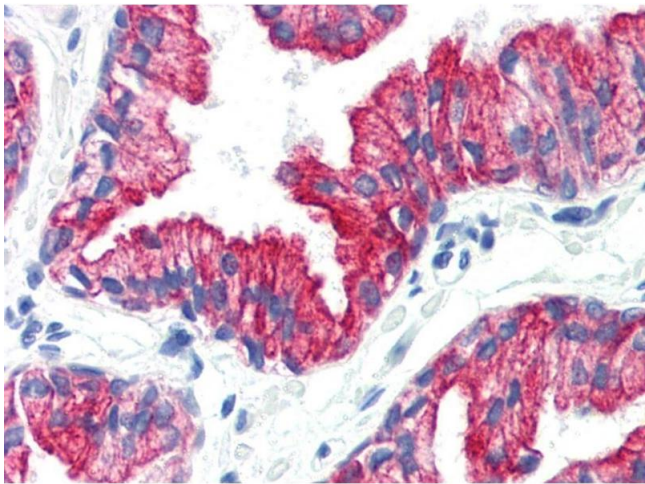
Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL, positive tissue: prostate. Flow cytometry: Recommended dilution: 1-5 µg/mL, intracellular staining.
Restrictions:	For Research Use only

Handling

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:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

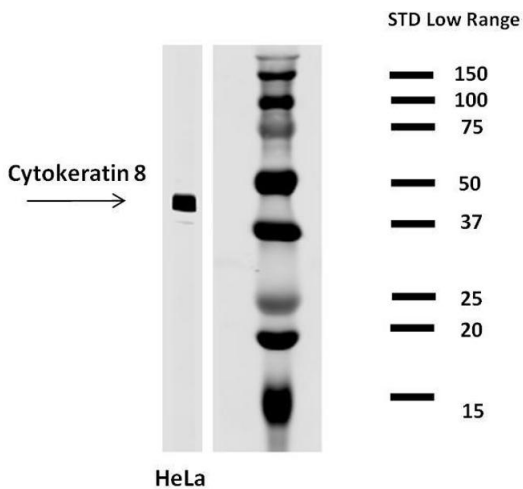
Publications

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: The Journal of pathology , Vol. 164, Issue 3, pp. 215-24, (1991) (PubMed).
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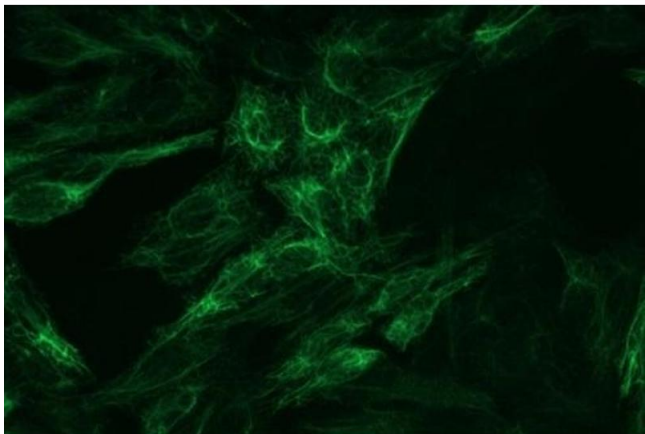
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining of human prostate (paraffin sections) using anti-cytokeratin 8(C-43).



Western Blotting

Image 2. Detection of cytokeratin 8 in HeLa cell lysate (reducing conditions) by mouse monoclonal antibody C-43.



Immunocytochemistry

Image 3. Immunocytochemistry staining of cytokeratin 8 in Hep-2 cells using mouse monoclonal C-43 (ABIN94300, diluted 1:100), detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green).