abcam

## Product datasheet

# Anti-HMW Cytokeratin antibody [CK 211 (AE3)], prediluted ab76715

### Overview

| | |
|---|---|
| **Product name** | Anti-HMW Cytokeratin antibody [CK 211 (AE3)], prediluted |
| **Description** | Mouse monoclonal [CK 211 (AE3)] to HMW Cytokeratin, prediluted |
| **Specificity** | ab76715 reacts with the high molecular weight cytokeratins CK1(67), CK2(65.5), CK3(64), CK4(59), CK5(58) CK6(56) and CK8 (52.5). |
| **Tested applications** | **Suitable for:** IHC-P, IHC-Fr |
| **Species reactivity** | **Reacts with:** Mouse, Rat, Rabbit, Chicken, Cow, Human, Pig, Monkey |
| **Immunogen** | Human epidermal keratin |
| **Positive control** | Human skin and lung carcinoma. |

### Properties

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|---|---|
| **Form** | Prediluted |
| **Storage instructions** | Shipped at 4°C. Store at +4°C. |
| **Storage buffer** | Preservative: 0.05% Proclin<br>Constituents: 1.2% Sodium chloride, 0.5% Non-mammalian protein, 0.5% Green food dye, 0.3% Tris HCl, 0.025% Triton-X-100 |
| **Purity** | Protein A purified |
| **Clonality** | Monoclonal |
| **Clone number** | CK 211 (AE3) |
| **Isotype** | IgG1 |
| **Light chain type** | kappa |

### Applications

Our Abpromise guarantee covers the use of **ab76715** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| IHC-P | | |

| Application | Abreviews | Notes |
|---|---|---|
| IHC-Fr | | |

**Application notes**

IHC-P: Ready to use. Requires antigen retrieval by boiling tissue in 10 mM citrate, pH 6.0 for 10-15 minutes followed by cooling for 10-15 minutes at RT.
IHC-Fr: Ready to use.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

## Target

**Relevance**

Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue. There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1 (67), CK2 (65.5), CK3 (64), CK4 (59), CK5 (58), CK6 (56), CK7 (54), CK8 (52.5) and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10 (56.5), CK12 (56), CK13 (53), CK14 (50), CK16( 48), CK17 (46), CK18 (45), CK19(48) and CK20(46).

**Cellular localization**

Cytoplasmic



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