


## Product datasheet

# Anti-Cytokeratin 8 antibody [rB22.1] - BSA and Azide free ab236344

Recombinant

[2 Images](#)

### Overview

<b>Product name</b>	Anti-Cytokeratin 8 antibody [rB22.1] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [rB22.1] to Cytokeratin 8 - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Sheep, Rabbit, Cow, Pig  <b>Does not react with:</b> Mouse, Rat, Chicken, Xenopus laevis
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human Cytokeratin 8. Cytoskeletal preparation from HeLa cells.
<b>Positive control</b>	IHC-P: Human colon tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from bioreactor concentrate by Protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	rB22.1
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab236344 in the following tested applications.

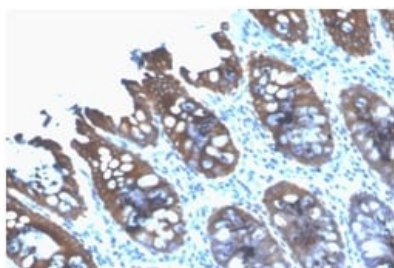
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Incubate with primary antibody for 30 minutes at room temperature.

## Target

<b>Function</b>	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
<b>Tissue specificity</b>	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
<b>Involvement in disease</b>	Cirrhosis
<b>Sequence similarities</b>	Belongs to the intermediate filament family.
<b>Post-translational modifications</b>	Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcyated), in a cell cycle-dependent manner.
<b>Cellular localization</b>	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [rB22.1] (ab236344)

Formalin-fixed, paraffin-embedded human colon tissue stained for Cytokeratin 8 using **ab234409** at 1 µg/ml in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab234409**).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Cytokeratin 8 antibody [rB22.1] - BSA and Azide free (ab236344)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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