

Datasheet for ABIN890815

**anti-KRT12 antibody (AA 151-250) (AbBy Fluor® 555)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | KRT12                                                                                                                          |
| Binding Specificity: | AA 151-250                                                                                                                     |
| Reactivity:          | Human, Mouse                                                                                                                   |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This KRT12 antibody is conjugated to AbBy Fluor® 555                                                                           |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                         |
|-----------------------|-------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CK12/Cytokeratin 12 |
| Isotype:              | IgG                                                                     |
| Cross-Reactivity:     | Human, Mouse, Rat                                                       |
| Predicted Reactivity: | Dog,Rabbit                                                              |
| Purification:         | Purified by Protein A.                                                  |

## Target Details

|                   |                                         |
|-------------------|-----------------------------------------|
| Target:           | KRT12                                   |
| Alternative Name: | CK12 ( <a href="#">KRT12 Products</a> ) |

## Target Details

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**Background:** Synonyms: 65 kDa cytokeratin, CK 12, CK 3, CK12, CK3, Cytokeratin 12, Cytokeratin 3, K12, K3, keratin 12 Meesmann corneal dystrophy, Keratin 12, Keratin 3, Keratin, type I cytoskeletal 12, K1C12\_HUMAN, Keratin, type II cytoskeletal 3, KRT12, KRT3.

Background: Cytokeratin 12 is a member of the intermediate filament family of proteins and is a heterotetramer of two type I and two type II keratins. Keratin 3 is specifically expressed in the corneal epithelium with family member KRT12. Cytokeratin 12 encodes the type I intermediate filament chain keratin 12, expressed in corneal epithelia. Defects in KRT3 and KRT12 are a cause of Meesmann corneal dystrophy (MCD), an autosomal dominant disease that causes fragility of the anterior corneal epithelium. Symptoms occur in adulthood and include rupture of the corneal microcysts that may lead to photophobia, contact lens intolerance and intermittent diminution of visual acuity. Defects in KRT12 are a cause of juvenile epithelial corneal dystrophy of Meesmann (MCD)

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**Molecular Weight:** 54kDa

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**Gene ID:** 3859

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months