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Datasheet for ABIN890814

anti-KRT12 antibody (AA 151-250) (Alexa Fluor 488)

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 Alexa Fluor 488
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 (KRT12 Products)

Target Details

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)

Molecular Weight: 54kDa

Gene ID: 3859

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

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

Handling

Expiry Date: 12 months