CK12 Antibody FITC Conjugated

Catalog No: #C05339F

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CK12 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human CK12 Cytokeratin 12
Conjugates	FITC
Target Name	CK12
Other Names	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.
Accession No.	NCBI Gene ID3859
Uniprot	Q99456
GeneID	3859;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

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)

Note: This product is for in vitro research use only