细胞角蛋白 12 抗体

产品货号： mlR4625

英文名称： CK12

中文名称： 细胞角蛋白 12 抗体

别　名： 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.

研究领域： 细胞生物　信号转导　细胞类型标志物　细胞骨架

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 54kDa

细胞定位： 细胞浆 细胞外基质 分泌型蛋白

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human CK12/Cytokeratin 12:151-250/494

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： 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)

Function:

May play a unique role in maintaining the normal corneal epithelial function. Together with KRT3, essential for the maintenance of corneal epithelium integrity (By similarity).

Subunit:

Heterotetramer of two type I and two type II keratins. Keratin-3 associates with keratin-12.

Tissue Specificity:

Cornea specific.

DISEASE:

Corneal dystrophy, Meesmann (MECD) [MIM:122100]: An autosomal dominant corneal disease characterized by fragility of the anterior corneal epithelium. Patients are usually asymptomatic until adulthood when rupture of the corneal microcysts may cause erosions, producing clinical symptoms such as photophobia, contact lens intolerance and intermittent diminution of visual acuity. Rarely, subepithelial scarring causes irregular corneal astigmatism and permanent visual impairment. Histological examination shows a disorganized and thickened epithelium with widespread cytoplasmic vacuolation and numerous small, round, debris-laden intraepithelial cysts. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the intermediate filament family.

SWISS:

Q99456

Gene ID:

3859

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片