Best Tools for immunology Research

Keratin(50-60kDa) mouse mAb

Catalog No :	YM1409
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	Keratin(50-60kDa)
Gene Name :	krt5
Human Gene Id :	3852
Human Swiss Prot No :	P13647
Mouse Swiss Prot No :	Q922U2
Immunogen :	Purified recombinant human KRT5 beta protein fragments expressed in E.coli.
Specificity :	This antibody detects endogenous levels of Keratin(50-60kDa) proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:2000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	62kD
Background :	keratin 5(KRT5) Homo sapiens The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed

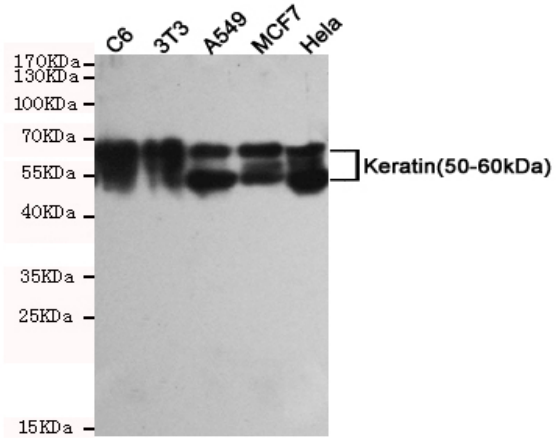
during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008],

Function : disease:Defects in KRT5 are a cause of epidermolysis bullosa simplex Dowling-Meara type (DM-EBS) [MIM:131760]. DM-EBS is a severe form of intraepidermal epidermolysis bullosa characterized by generalized herpetiform blistering, milia formation, dystrophic nails, and mucous membrane involvement.,disease:Defects in KRT5 are a cause of epidermolysis bullosa simplex Koebner type (K-EBS) [MIM:131900]. K-EBS is a form of intraepidermal epidermolysis bullosa characterized by generalized skin blistering. The phenotype is not fundamentally distinct from the Dowling-Meara type, althought it is less severe.,disease:Defects in KRT5 are a cause of epidermolysis bullosa simplex Weber-Cockayne type (WC-EBS) [MIM:131800]. WC-EBS is a form of intraepidermal epidermolysis bullosa characterized by blistering limited to palmar and plantar areas of the skin.,disease:Defects in KRT5 are the cause of Dowling-D

Subcellular Location : nucleus,cytoplasm,mitochondrion,cytosol,intermediate filament,plasma membrane,membrane,keratin filament,extracellular exosome,

Expression : Expressed in corneal epithelium (at protein level).

Products Images



Western blot detection of Keratin(50-60kDa) in C6,3T3,A549,MCF7 and Hela cell lysates using Keratin(50-60kDa) mouse mAb (1:2000 diluted).Predicted band size50~60KDa.Observed band size:50~60KDa.