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CK16 Monoclonal Antibody(6F6)

Catalog # AP63310

Product Information

Application	IHC, IF, ICC
Primary Accession	P08779
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	51268

Additional Information

Gene ID	3868
Other Names	KRT16; KRT16A; Keratin, type I cytoskeletal 16; Cytokeratin-16; CK-16; Keratin-16; K16
Dilution	IHC~~1:100~500 IF~~1:50~200 ICC~~N/A
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20℃

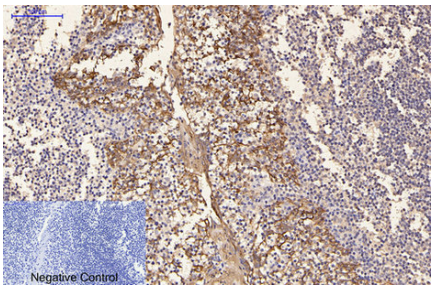
Protein Information

Name	KRT16 (HGNC:6423)
Synonyms	KRT16A
Function	Structural component of intermediate filaments in epithelial keratinocytes. Forms heteropolymers with type II keratins KRT6A and KRT6B, assembling into keratin intermediate filament networks that contribute to cytoskeletal resilience of palm, sole, nail bed and oral mucosa (PubMed:7539673, PubMed:8595410). Regulates epidermal innate immunity and inflammatory signaling in response to barrier disruption. Required for normal palmoplantar epidermal differentiation and nail unit structure (By similarity).
Tissue Location	Expressed in the corneal epithelium (at protein level).

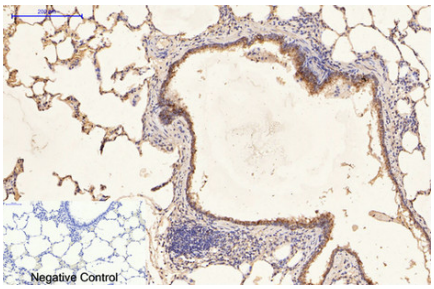
Background

Epidermis-specific type I keratin that plays a key role in skin. Acts as a regulator of innate immunity in response to skin barrier breach: required for some inflammatory checkpoint for the skin barrier maintenance.

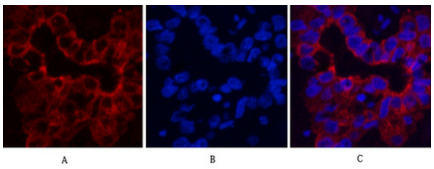
Images



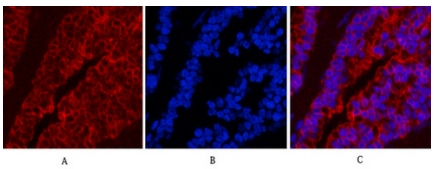
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,CK16 Monoclonal Antibody(6F6) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



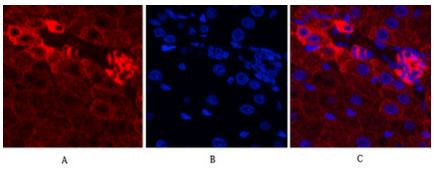
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,CK16 Monoclonal Antibody(6F6) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



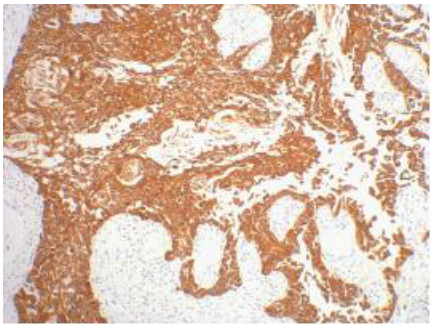
Immunofluorescence analysis of Human-liver-cancer tissue. 1,CK16 Monoclonal Antibody(6F6)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-lung tissue. 1,CK16 Monoclonal Antibody(6F6)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-liver tissue. 1,CK16 Monoclonal Antibody(6F6)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



IHC staining of human gullet cancer tissue, diluted at 1:200.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.