

CK16 Monoclonal Antibody(6F6)

Description

Product type	Primary Antibody
Code	BT-MCA0343
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of CK16
Mol wt	51268
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	IHC-P, IF, ICC
Concentration	1 mg/ml
Full name	Keratin type I cytoskeletal 16
Synonyms	KRT16; KRT16A; Keratin; type I cytoskeletal 16; Cytokeratin-16; CK-16; Keratin-16; K16

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus.

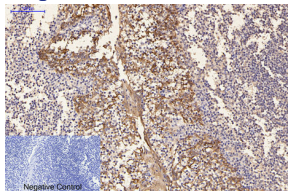
Recommended Dilution

IF: 1:50-200

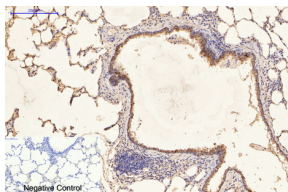
WB: 500-2000 1:200

Not yet tested in other applications.

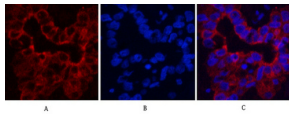
Images



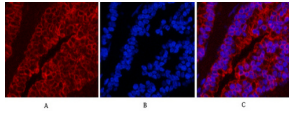
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1.CK16 Monoclonal antibody(6F6) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used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



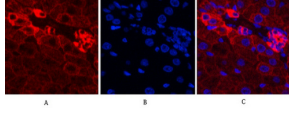
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1.CK16 Monoclonal antibody(6F6) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by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

Storage

-20°C for one year

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