

## CK16 Mouse Monoclonal Antibody

Catalog No: #38011

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## Description

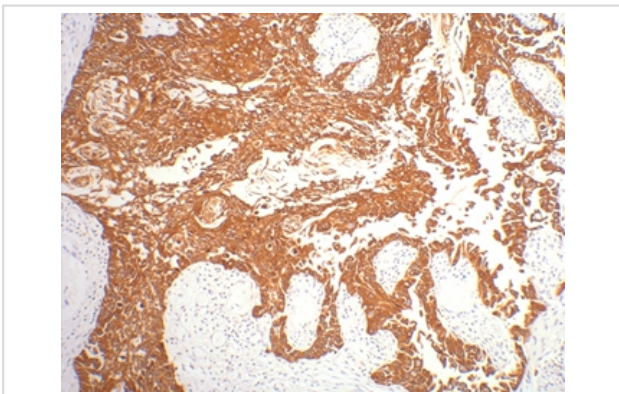
Product Name	CK16 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	6F6
Purification	Affinity purification using immunogen.
Applications	IHC,IF
Species Reactivity	Hu Ms Rt
Specificity	The CK16 Mouse Monoclonal antibody detects endogenous CK16 proteins.
Target Name	CK16
Other Names	CK-16; CK16; cytokeratin 16; Cytokeratin-16; FNEPPK
Accession No.	Swiss-Prot#:P08779
Uniprot	P08779
GeneID	3868;
SDS-PAGE MW	51kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

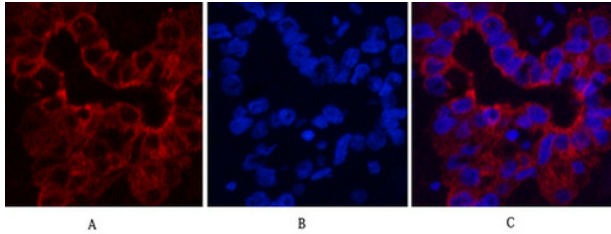
IHC dilution: 1:200

IF dilution:1:50-200

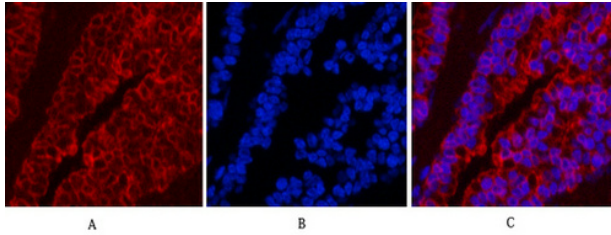
## Images



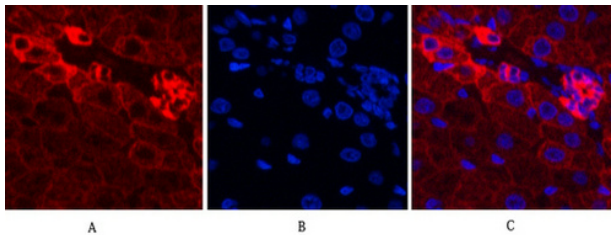
IHC staining of human gullet cancer tissue with CK16 mouse mAb(6F6) diluted at 1:200.



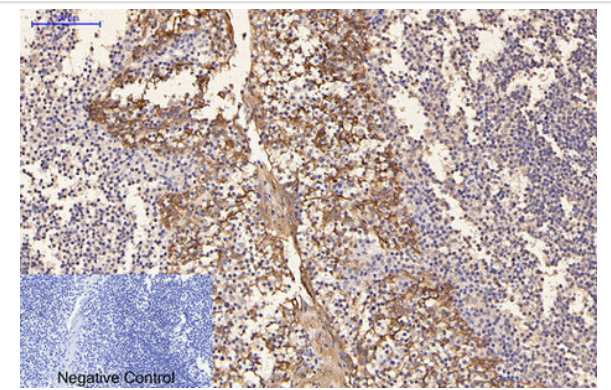
Immunofluorescence analysis of Human-liver-cancer tissue. 1,CK16 Monoclonal Antibody(6F6)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



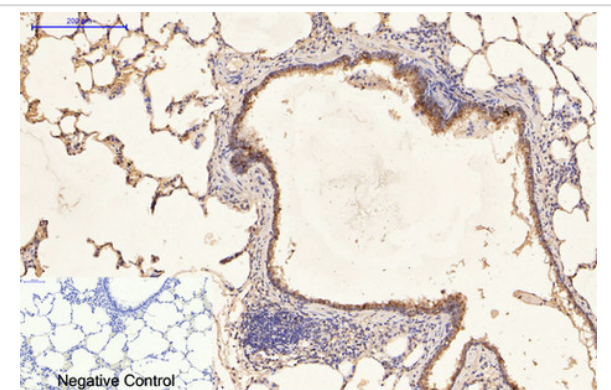
Immunofluorescence analysis of Mouse-lung tissue. 1,CK16 Monoclonal Antibody(6F6)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-liver tissue. 1,CK16 Monoclonal Antibody(6F6)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled 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



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

## Background

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Keratin 16 is expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyperproliferation-related keratins). Keratin 16 is absent in normal breast tissue and in noninvasive breast carcinomas. Only 10% of the invasive breast carcinomas show diffuse or focal positivity. Reportedly, a relatively high concordance was found between the carcinomas immunostaining with the basal cell and the hyperproliferation-related keratins, but not between these markers and the proliferation marker Ki-67. This supports the conclusion that basal cells in breast cancer may show extensive proliferation, and that absence of Ki-67 staining does not mean that (tumor) cells are not proliferating.

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Note: This product is for in vitro research use only