

## CK7 Monoclonal Antibody(12D7)

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0022
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of CK7
<b>Mol wt</b>	51418
<b>Species reactivity</b>	Human,Mouse,Rat
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IF, ICC, WB, IHC-p, IP
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Keratin type II cytoskeletal 7
<b>Synonyms</b>	KRT7; SCL; Keratin; type II cytoskeletal 7; Cytokeratin-7; CK-7; Keratin-7; K7; Sarcolectin; Type-II keratin Kb7

**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 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 simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants| however, not all variants have been fully described.

### Recommended Dilution

IF: 1:50-200

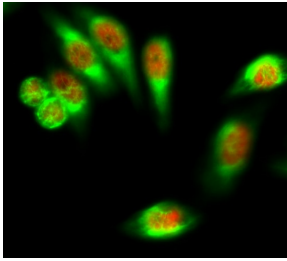
IHC: 1:200

IP: 1:200

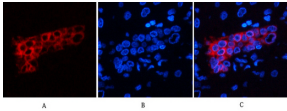
WB: 1:1000-2000

Not yet tested in other applications.

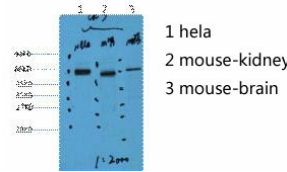
### Images



Immunofluorescence analysis of HeLa cell. FoxO1 Polyclonal Antibody(red) was diluted at 1:200(4°C overnight). CK7 Monoclonal antibody(12D7)(green) was diluted at 1:200(4°C overnight).



Immunofluorescence analysis of human-liver tissue. 1.CK7 Monoclonal antibody(12D7)(red) was diluted at 1:200(4°C,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



Western blot analysis of 1) HeLa, 2) Mouse Kidney, 3) Mouse Brain diluted at 1:2000.

### Storage

-20°C for one year

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