# CK-7 Monoclonal Antibody

**catalog number:** **E-AB-70293**

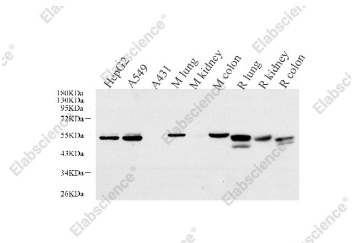
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant protein corresponding to Mouse Cytokeratin 7 |
| **Host** | Mouse |
| **Isotype** | Mouse IgG |
| **Clone** | 7D8G8 |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |
| **IHC** | 1:100-1:500 |

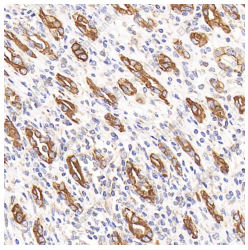
## Data



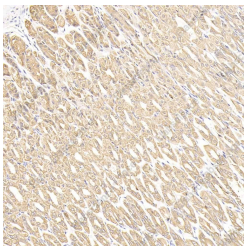

Western Blot analysis of various samples using CK-7 Monoclonal Antibody at dilution of 1:1000.

**Observed-MW:51 kDa**

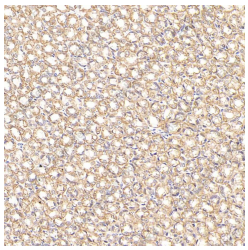
**Calculated-MW:51 kDa**



Immunohistochemistry analysis of paraffin-embedded human stomach cancer using CK-7 Monoclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded mouse stomach cancer using CK-7 Monoclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Rat stomach cancer using CK-7 Monoclonal Antibody at dilution of 1:300.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background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Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells,which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9–K23,and the hair keratins Ha1–Ha8. Type II keratins are the basic or neutral courterparts to the acidic type I keratins,including K1–K8,and the hair keratins,Hb1–Hb6. KRT7,also named as cytokeratin 7,is one member of type II basic cytokeratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels,and their neoplasms. KRT7 is marker of epithelial tissues,but not present in carcinomas of stratified squamous cell origin.This antibody is specifically against KRT7.


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