

# ERK5 Mouse Monoclonal Antibody(4D6)

## Catalog No: RA10319

### Basic Information

|                          |  |
|--------------------------|--|
| Host species             | Mouse  |
| Applications             | IHC  |
| Species Cross-Reactivity | H, R, M  |
| Specificity              | Antibody can detects endogenous ERK5 protein.                            |
| Recommended dilutions    | IHC:1:200-500<br>Optimal dilutions should be determined by the end user. |

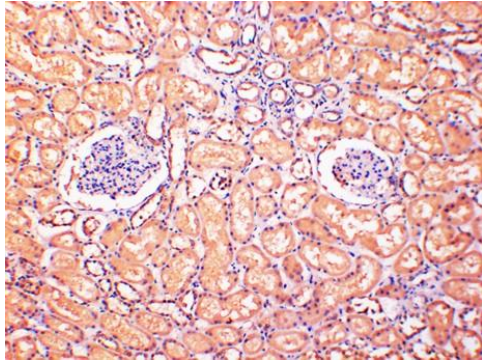
### Applications

|               |   |
|---------------|---|
| Formulation   | Affinity Purified IgG, PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol. |
| Storage       | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| Concentration | 1 mg/ml   |
| Clonality     | Monoclonal  |

### Background

|                         |  |
|-------------------------|--|
| Alternative Names       | MAPK7 antibody, BMK1 antibody, MK07 antibody, PRKM7 antibody, EC 2.7.11.24 antibody  |
| Observed band           | 89-115   |
| Human Gene ID           | 5598   |
| Human Swiss-Prot Number | Q13164   |
| Background              | ERK5, Mitogen-activated protein kinase 7 also known as MAP kinase 7 is an enzyme that in humans is encoded by the MAPK7 gene. MAPK7 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. |

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using ERK5 Mouse Monoclonal antibody diluted at 1:200.