

## Product datasheet for **TA501888M**

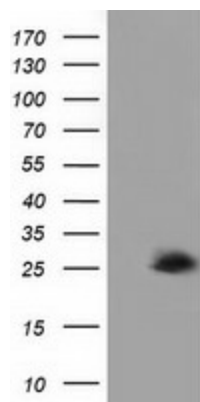
### AK3 Mouse Monoclonal Antibody [Clone ID: OTI4C4]

#### Product data:

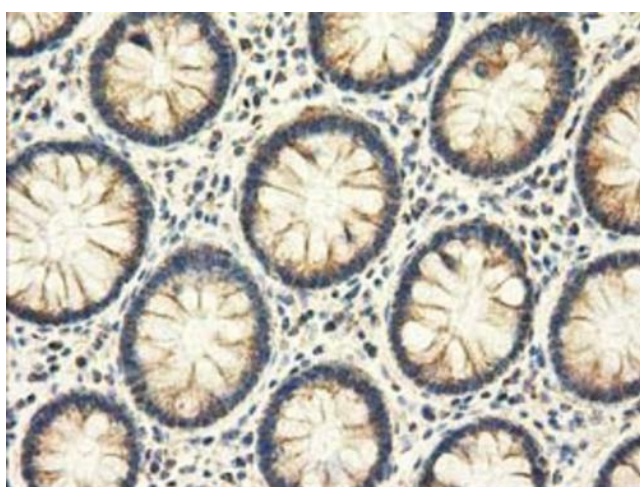
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI4C4   |
| Applications:           | FC, IHC, WB  |
| Recommended Dilution:   | WB 1:500~2000, FLOW 1:100  |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human AK3 (NP_057336) produced in HEK293T cell.   |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 1 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 25.4 kDa   |
| Gene Name:              | adenylate kinase 3   |
| Database Link:          | <a href="#">NP_057366</a><br><a href="#">Entrez Gene 26956 Rat</a> <a href="#">Entrez Gene 56248 Mouse</a> <a href="#">Entrez Gene 50808 Human</a><br><a href="#">Q9UIJ7</a> |
| Synonyms:               | AK3L1; AK6; AKL3L; AKL3L1; FIX   |
| Protein Families:       | Druggable Genome   |
| Protein Pathways:       | Pyrimidine metabolism  |


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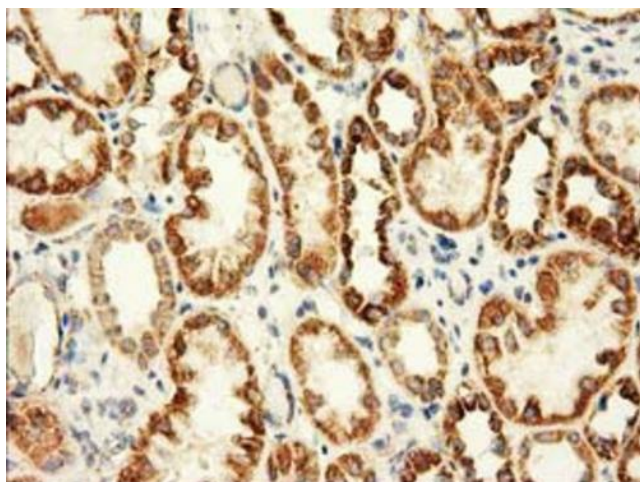
## Product images:



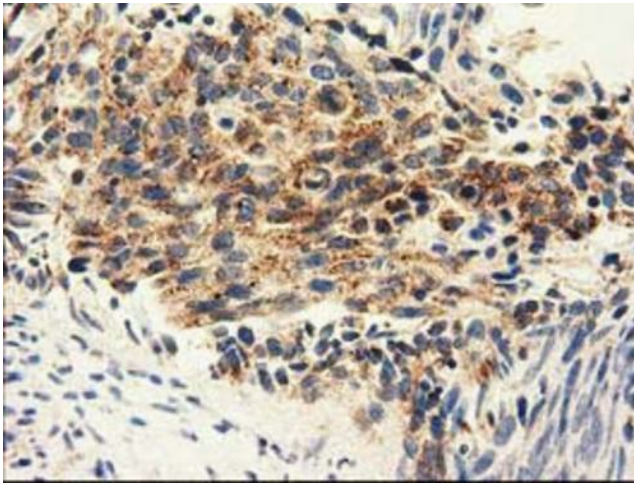
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AK3 ([RC204408], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AK3. Positive lysates [LY414079] (100ug) and [LC414079] (20ug) can be purchased separately from OriGene.



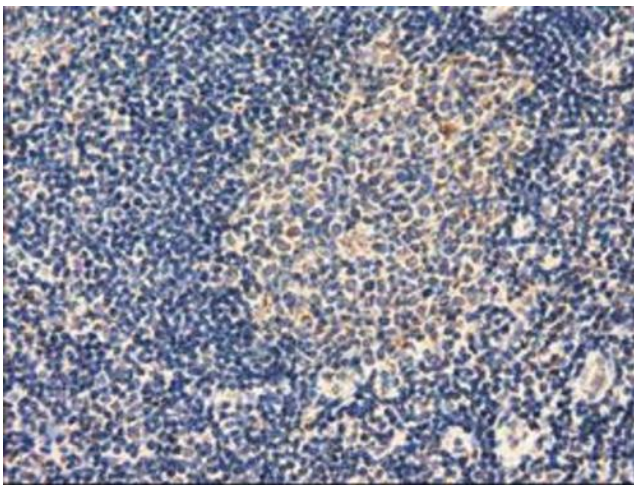
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501888]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



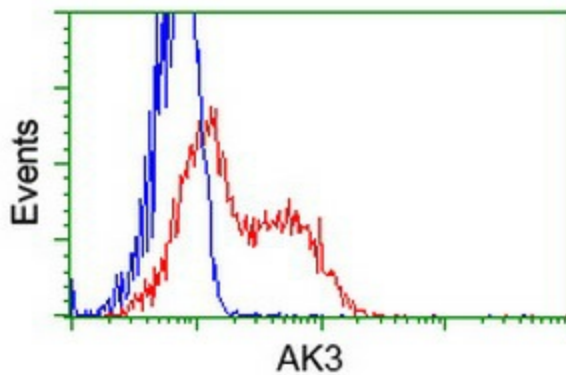
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501888]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



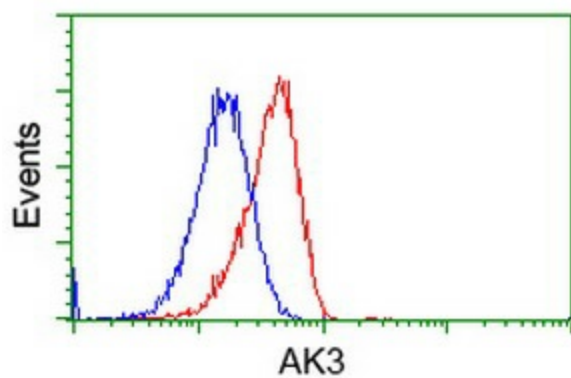
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-AK3 mouse monoclonal antibody. ([TA501888]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501888]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



HEK293T cells transfected with either [RC204408] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-AK3 antibody ([TA501888]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-AK3 antibody ([TA501888]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).