

Product datasheet for **CF501835**

AK3 Mouse Monoclonal Antibody [Clone ID: OTI6B7]

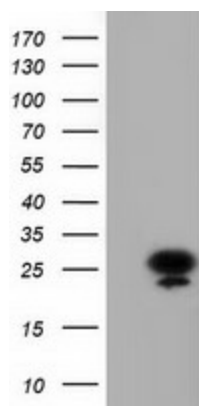
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI6B7 |
| Applications: | IHC, WB |
| Recommended Dilution: | WB 1:500~2000 |
| Reactivity: | Human, Dog, Rat, Monkey, Mouse |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human AK3 (NP_057336) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| 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: | NP_057366 Entrez Gene 26956 Rat Entrez Gene 56248 Mouse Entrez Gene 476342 Dog Entrez Gene 694714 Monkey Entrez Gene 50808 Human Q9UIJ7 |
| Synonyms: | AK3L1; AK6; AKL3L; AKL3L1; FIX |

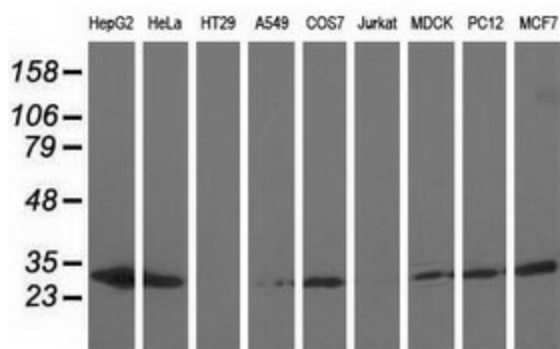


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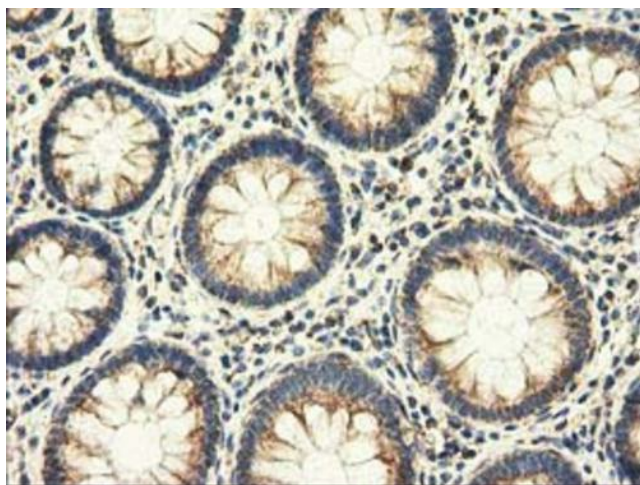
Protein Families: Druggable Genome
 Protein Pathways: Pyrimidine metabolism

Product images:


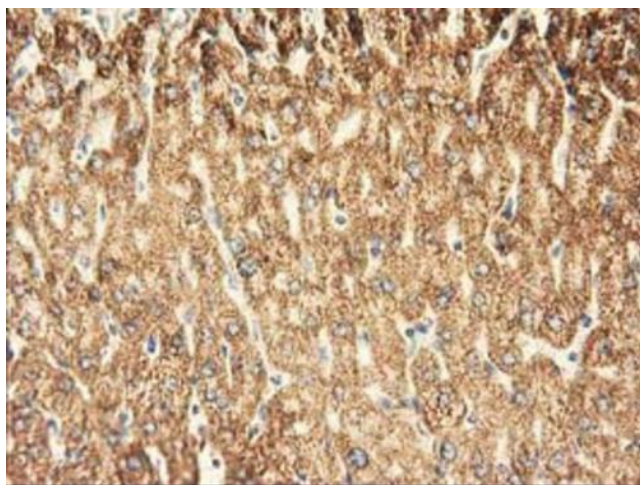
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AK3 ([RC204408], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AK3. Positive lysates [LY414079] (100ug) and [LC414079]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



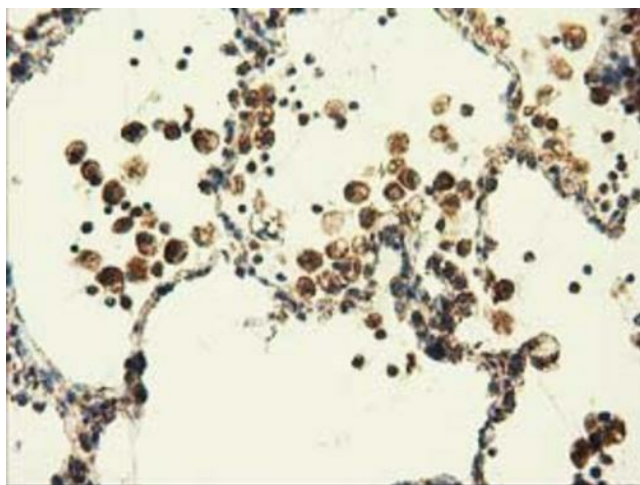
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-AK3 monoclonal antibody.



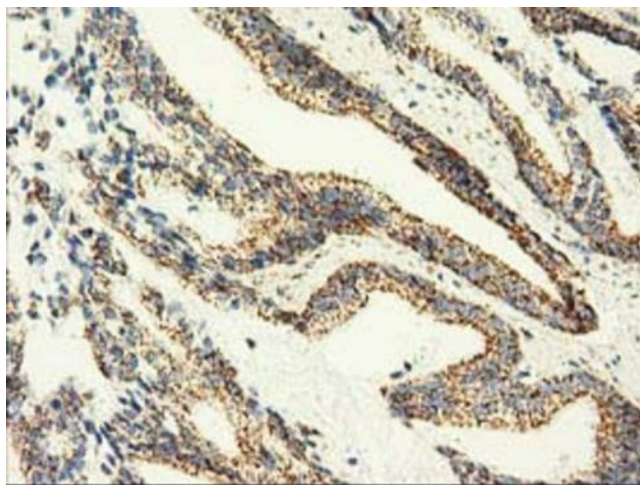
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501835])



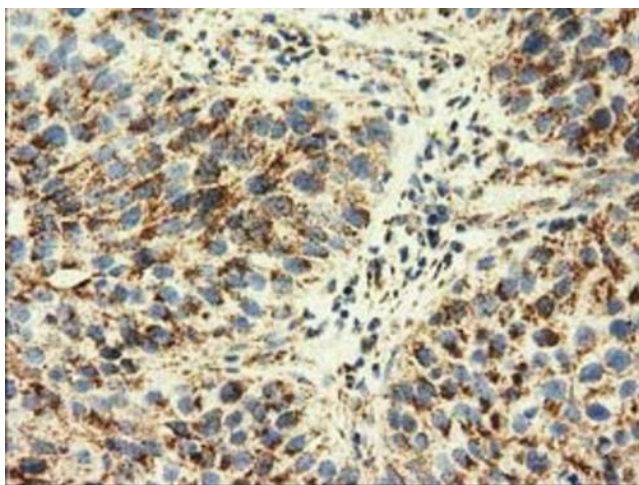
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501835])



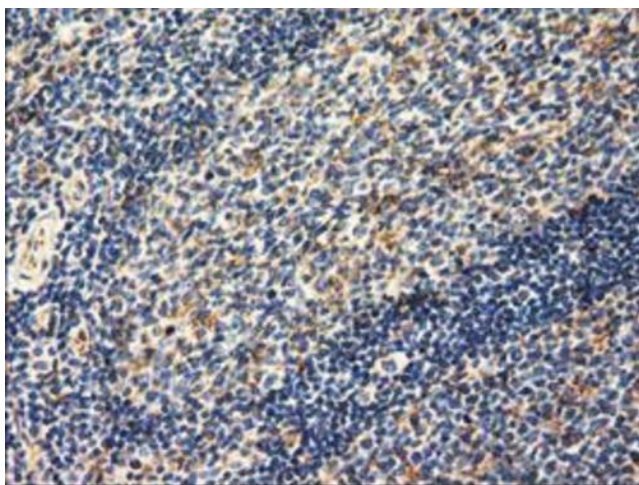
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-AK3 mouse monoclonal antibody. ([TA501835])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-AK3 mouse monoclonal antibody. ([TA501835])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-AK3 mouse monoclonal antibody. ([TA501835])



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501835])