

## Product datasheet for **CF501819**

### AK3 Mouse Monoclonal Antibody [Clone ID: OTI5A1]

#### Product data:

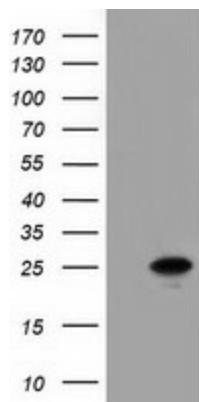
Product Type:	Primary Antibodies
Clone Name:	OTI5A1
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500~2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human AK3 (NP_057336) produced in HEK293T cell.
Formulation:	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:	<a href="#">NP_057366</a> <a href="#">Entrez Gene 26956 Rat</a> <a href="#">Entrez Gene 56248 Mouse</a> <a href="#">Entrez Gene 50808 Human</a> <a href="#">Q9UIJ7</a>
Synonyms:	AK3L1; AK6; AKL3L; AKL3L1; FIX
Protein Families:	Druggable Genome



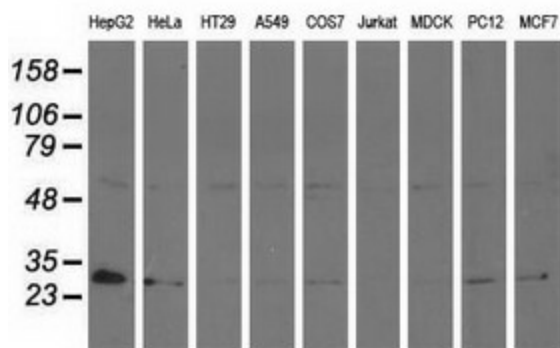
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Protein Pathways: Pyrimidine metabolism

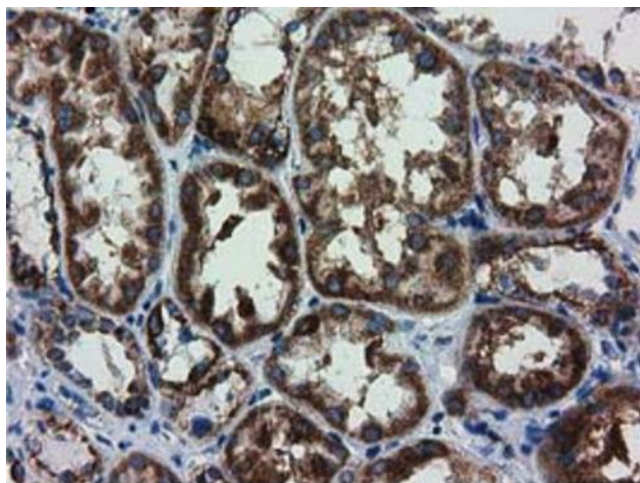
**Product images:**



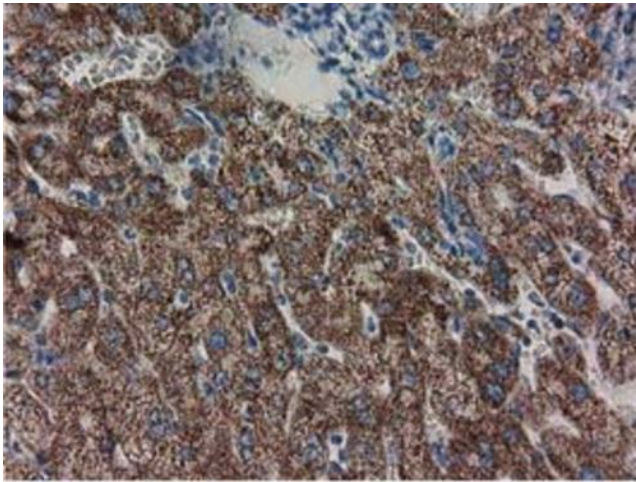
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY AK3 (Cat# [RC204408], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AK3(Cat# [TA501819]). Positive lysates [LY414079] (100ug) and [LC414079] (20ug) can be purchased separately from OriGene.



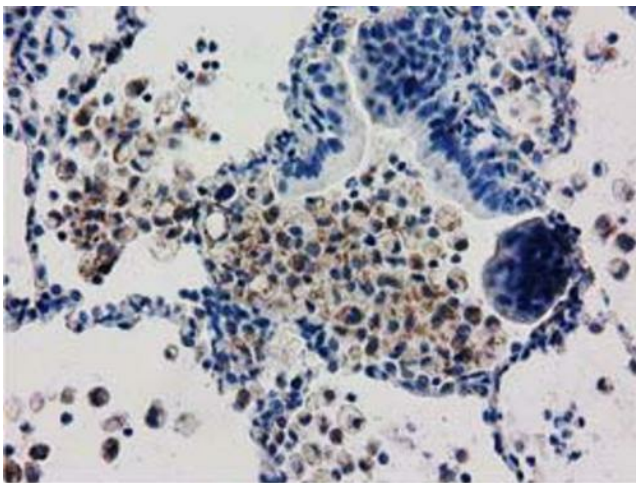
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-AK3 monoclonal antibody.



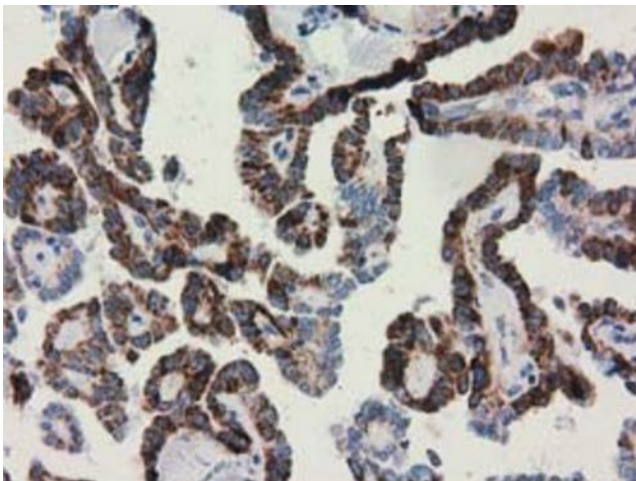
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501819]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



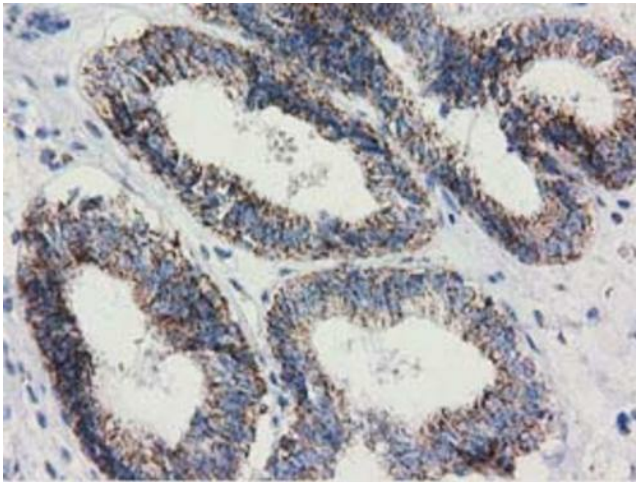
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501819]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



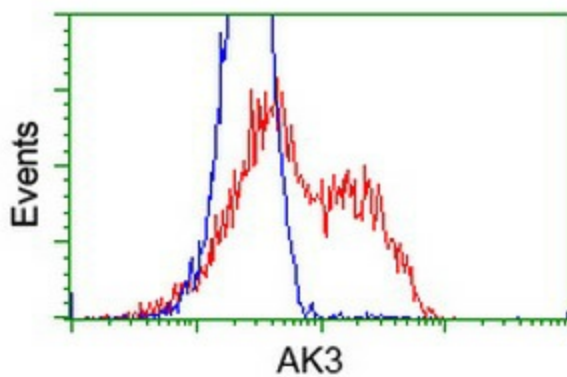
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-AK3 mouse monoclonal antibody. ([TA501819]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-AK3 mouse monoclonal antibody. ([TA501819]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-AK3 mouse monoclonal antibody. ([TA501819]). 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 ([TA501819]), and then analyzed by flow cytometry.