

Product datasheet for **TA501835M**

AK3 Mouse Monoclonal Antibody [Clone ID: OTI6B7]

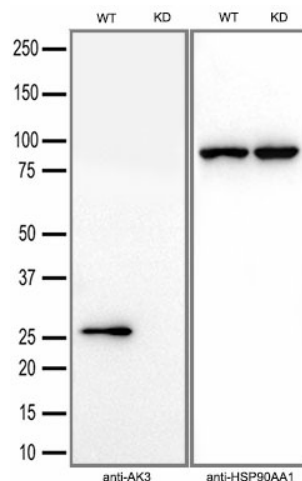
Product data:

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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.65 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:	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
Protein Families:	Druggable Genome
Protein Pathways:	Pyrimidine metabolism

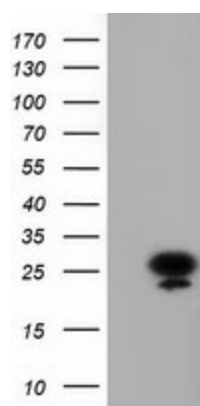


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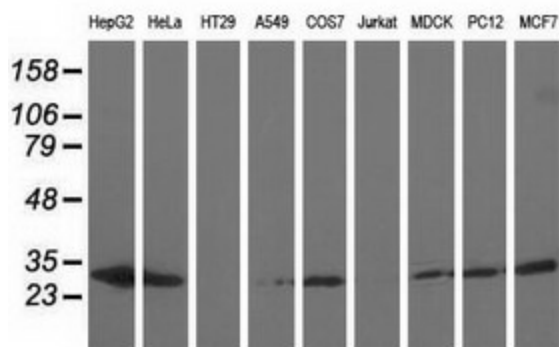
Product images:



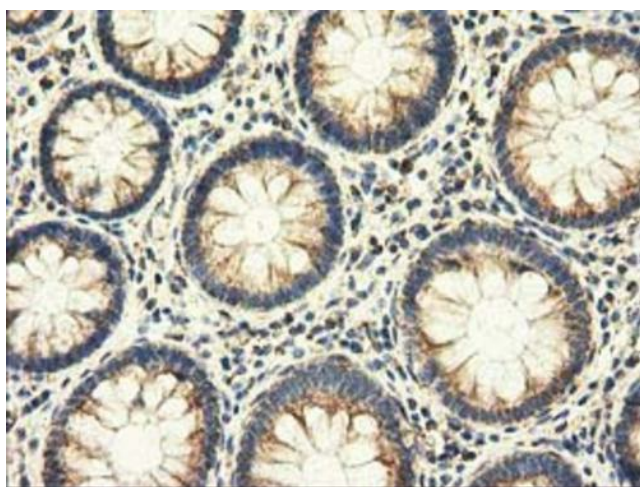
Equivalent amounts of cell lysates (30 ug per lane) of wild-type HeLa cells (WT) and AK3-Knockdown HeLa cells (KD) were separated by SDS-PAGE and immunoblotted with anti-AK3 monoclonal antibody [TA501835] (1:5000). Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.



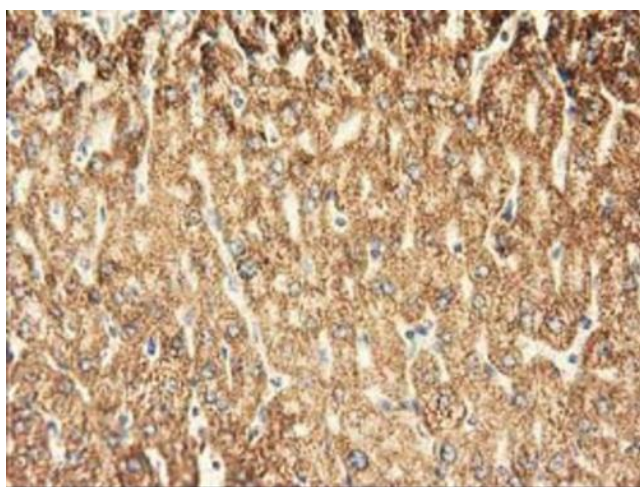
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AK3 [RC204408], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AK3. Positive lysates [LY414079] (100ug) and [LC414079]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



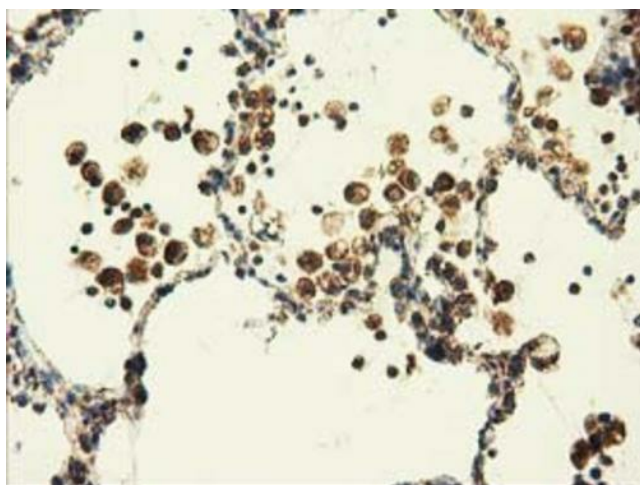
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-AK3 monoclonal antibody.



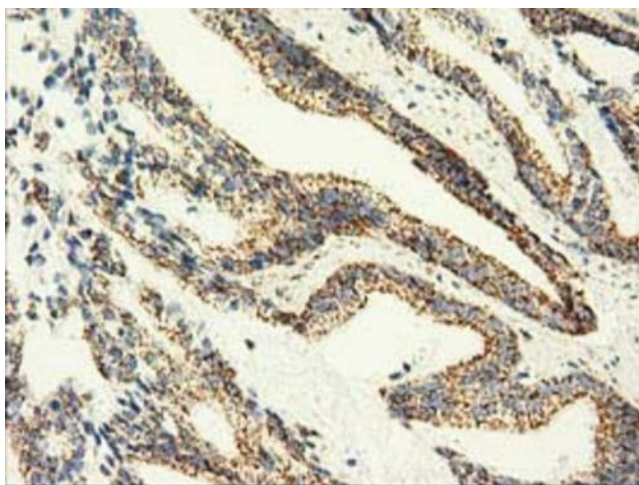
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501835]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



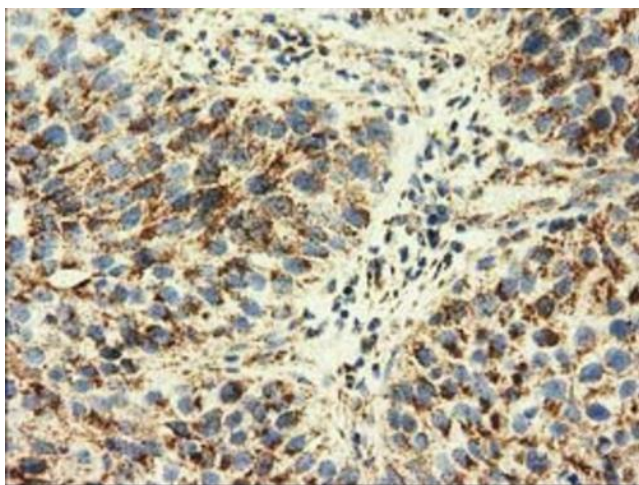
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-AK3 mouse monoclonal antibody. ([TA501835]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



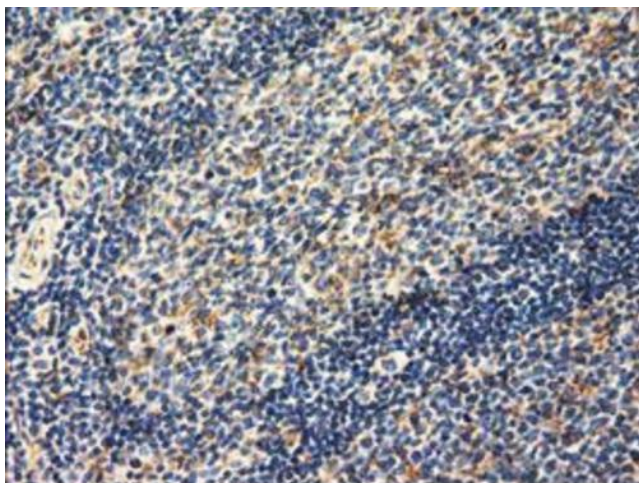
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-AK3 mouse monoclonal antibody. ([TA501835]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-AK3 mouse monoclonal antibody. ([TA501835]). 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. ([TA501835]). 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. ([TA501835]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.