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Product datasheet for TA501099

DAP Kinase 2 (DAPK2) Mouse Monoclonal Antibody [Clone ID: OTI1C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1C5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:50, IF 1:100, FLOW 1:100, IP 2ug/500ul
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DAPK2 (NP_055141) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.76 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:	42.7 kDa
Gene Name:	death associated protein kinase 2
Database Link:	NP_055141 Entrez Gene 13143 MouseEntrez Gene 300799 RatEntrez Gene 610682 DogEntrez Gene 706421 MonkeyEntrez Gene 23604 Human Q9UIK4
Background:	This gene encodes a protein that belongs to the serine/threonine protein kinase family. This protein contains a N-terminal protein kinase domain followed by a conserved calmodulin-binding domain with significant similarity to that of death-associated protein kinase 1 (DAPK1), a positive regulator of programmed cell death. Overexpression of this gene was shown to induce cell apoptosis. It uses multiple polyadenylation sites. [provided by RefSeq]

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Synonyms: DRP-1; DRP1

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Bladder cancer, Pathways in cancer

Product images:

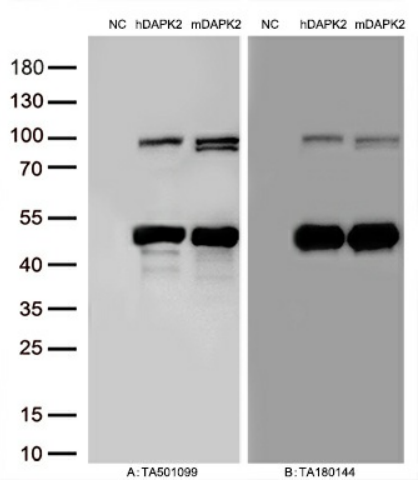
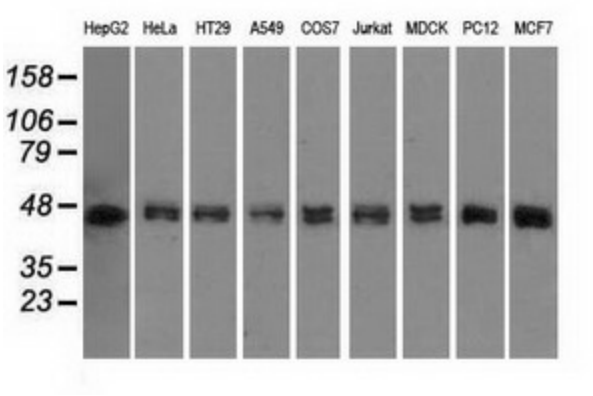
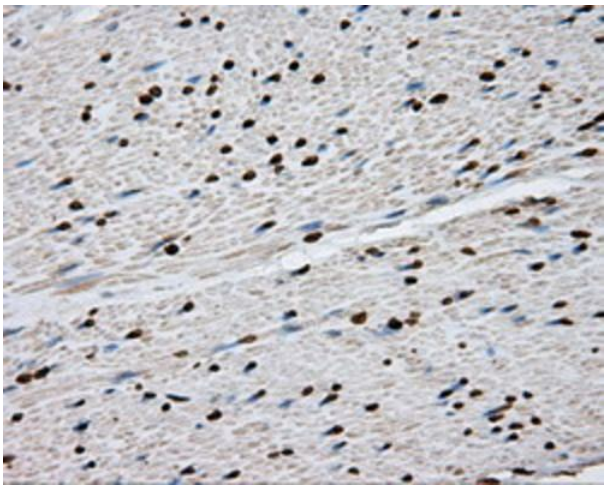


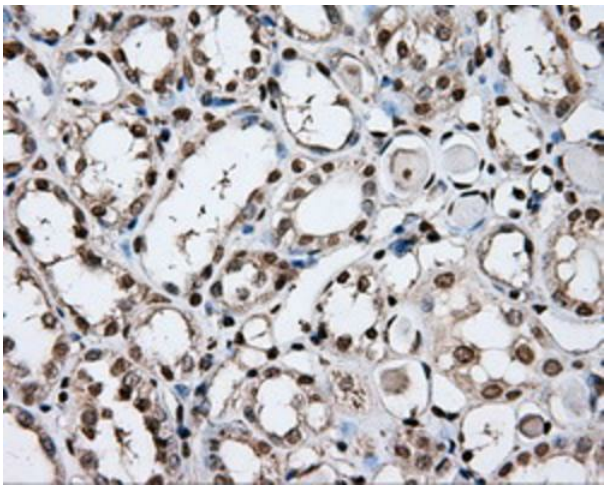
Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human DAPK2 plasmid ([RC216274], hDAPK2), mouse DAPK2 plasmid ([MR205712], mDAPK2) using anti-DAPK2 antibody TA501099 (1:5000). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:5000).



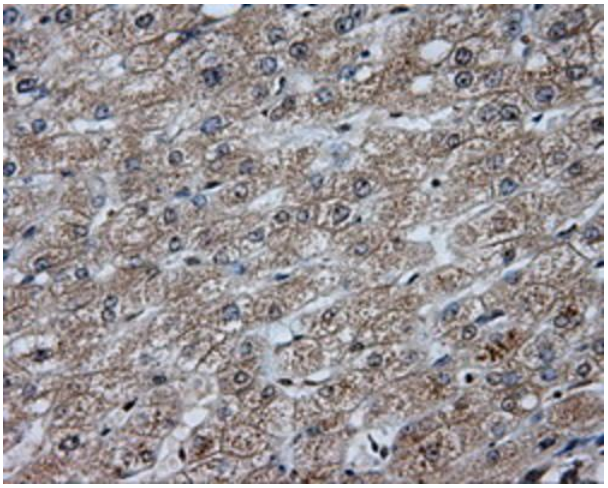
Western blot analysis of extracts (35ug) from 9 different cell lines by usin g anti-DAPK2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



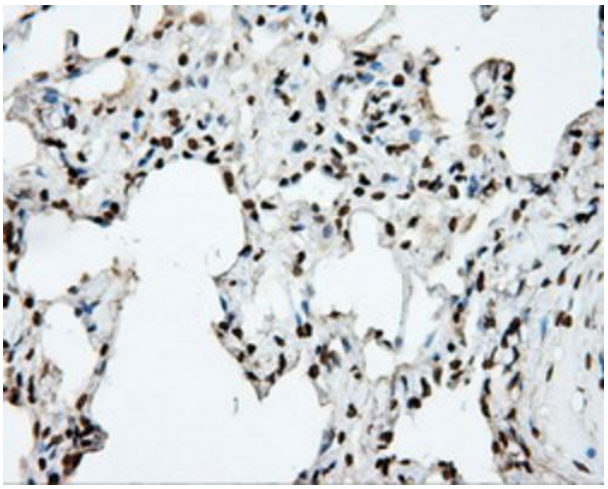
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



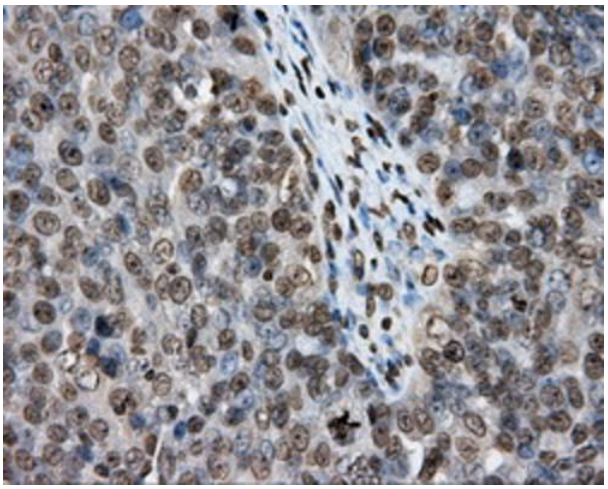
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



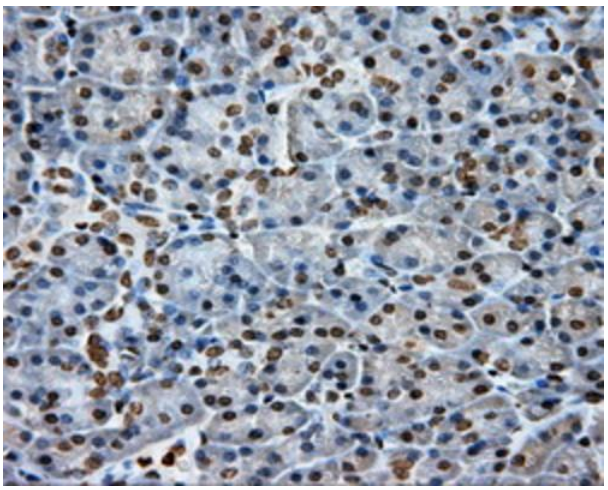
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



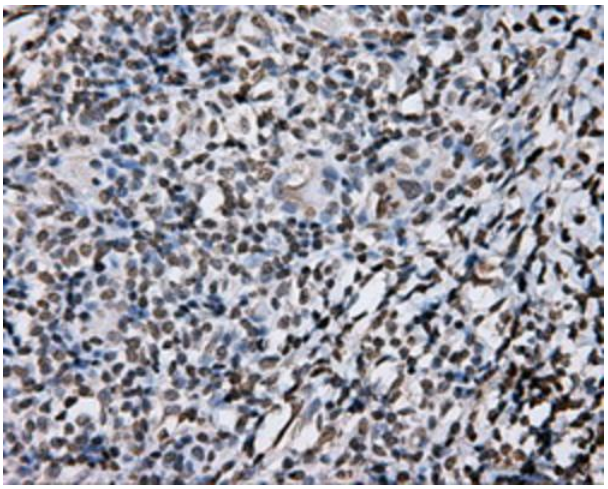
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



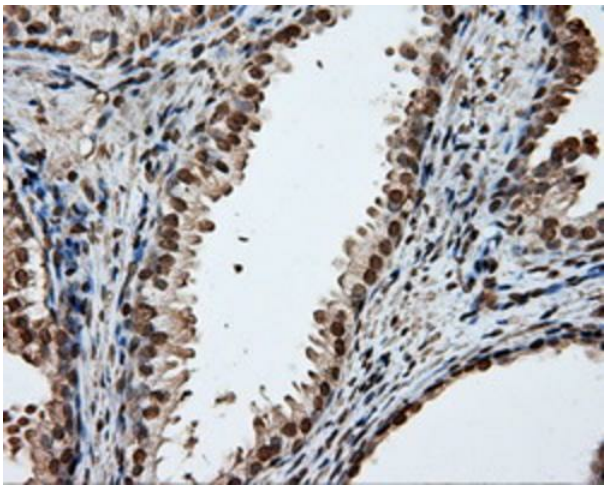
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



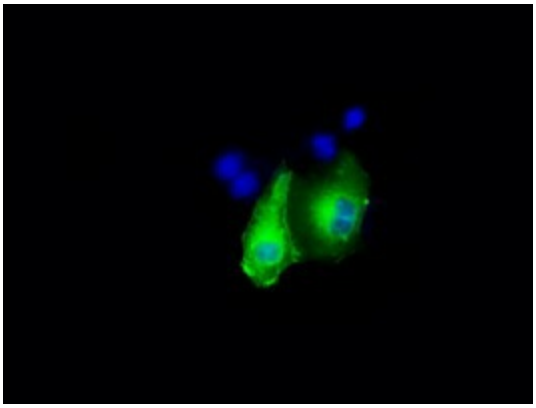
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



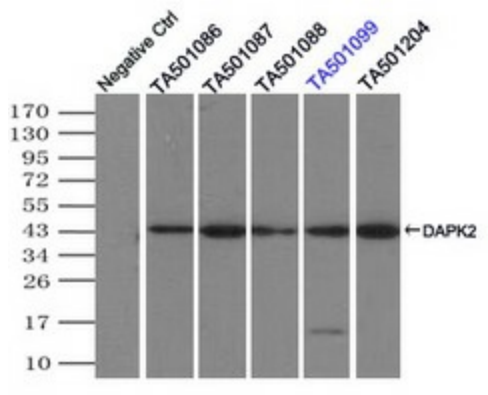
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



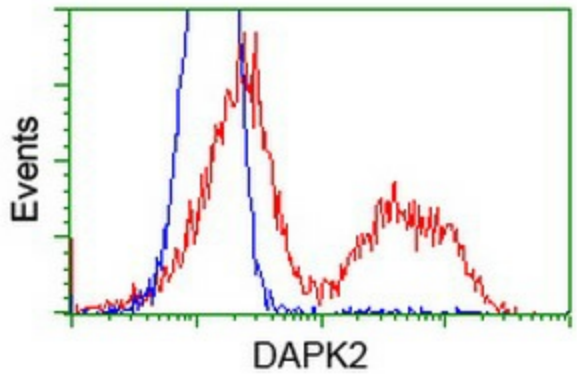
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-DAPK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



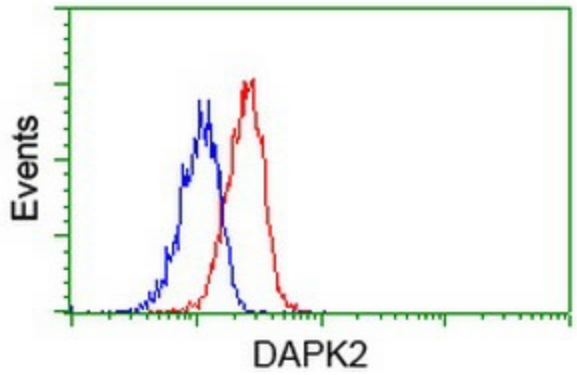
Anti-DAPK2 mouse monoclonal antibody (TA501099) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DAPK2 ([RC216274]).



Immunoprecipitation (IP) of DAPK2 by using TrueMab monoclonal anti-DAPK2 antibodies (Negative control: IP without adding anti-DAPK2 antibody.). For each experiment, 500ul of DDK tagged DAPK2 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-DAPK2 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



HEK293T cells transfected with either [RC216274] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DAPK2 antibody (TA501099), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-DAPK2 antibody (TA501099), (Red), compared to a nonspecific negative control antibody, (Blue).