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Product datasheet for CF501893

MICAL1 Mouse Monoclonal Antibody [Clone ID: OTI4B1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4B1
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MICAL1 (NP_073602) 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:	117.7 kDa
Gene Name:	microtubule associated monooxygenase, calponin and LIM domain containing 1
Database Link:	NP_073602 Entrez Gene 64780 Human Q8TDZ2
Synonyms:	MICAL; MICAL-1; NICAL

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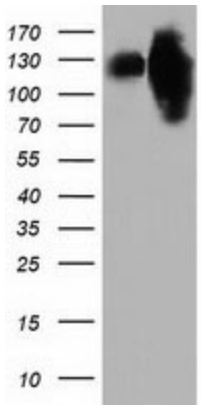
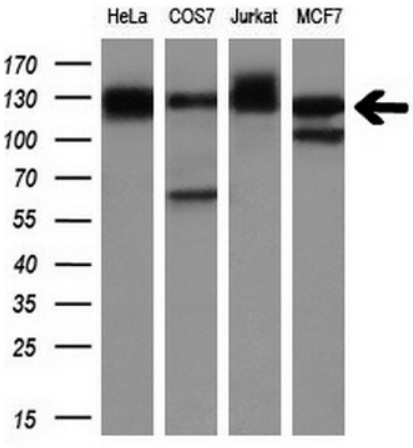
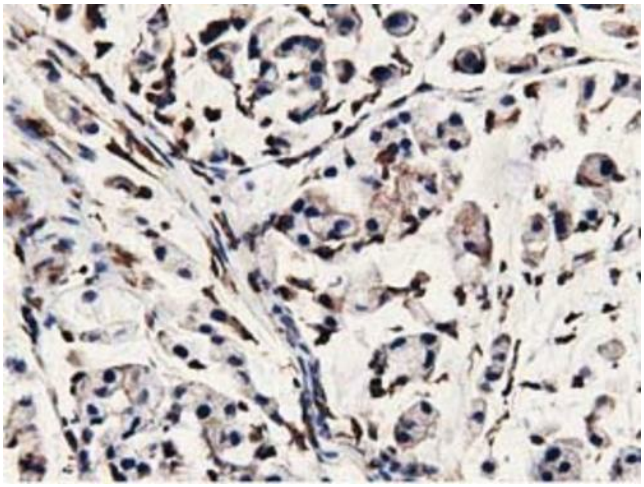
Product images:



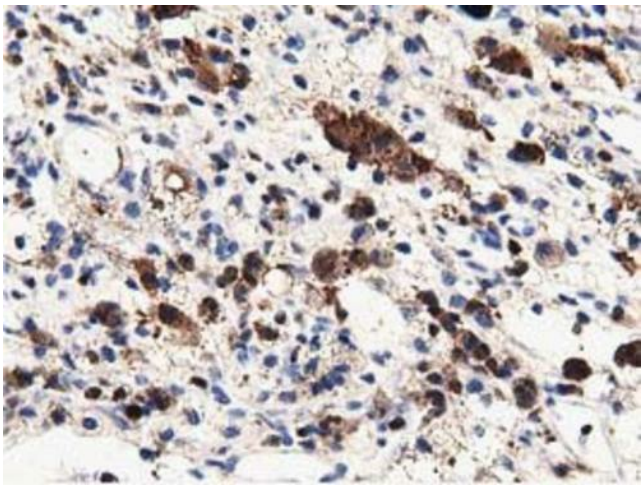
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MICAL1 (Cat# [RC208308], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MICAL1(Cat# [TA501893]). Positive lysates [LY402940] (100ug) and [LC402940] (20ug) can be purchased separately from OriGene.



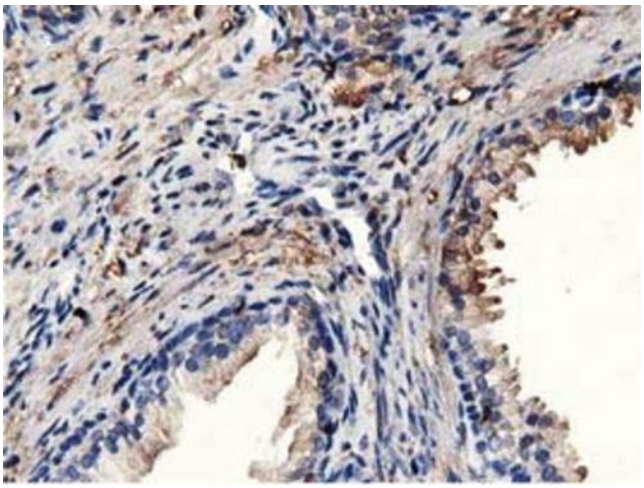
Western blot analysis of extracts (10ug) from 4 different cell lines by using anti-MICAL1 monoclonal antibody (1:200).



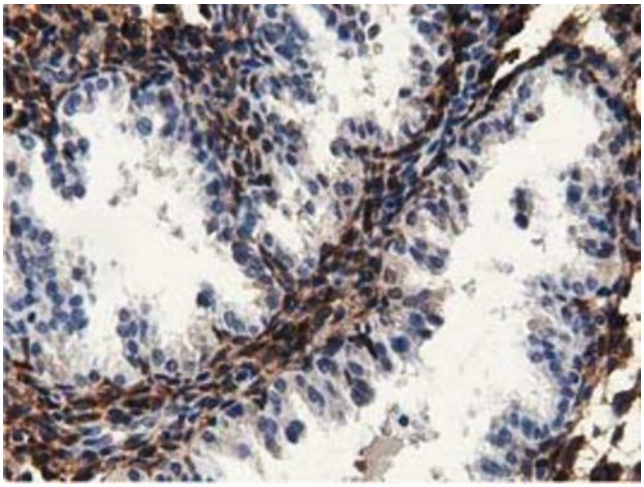
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MICAL1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



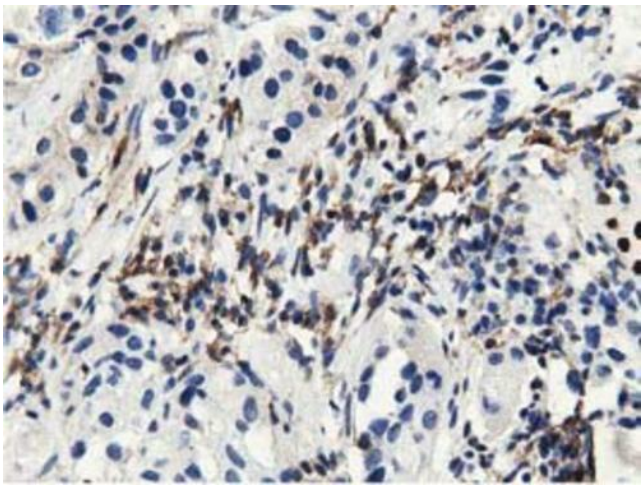
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-MICAL1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



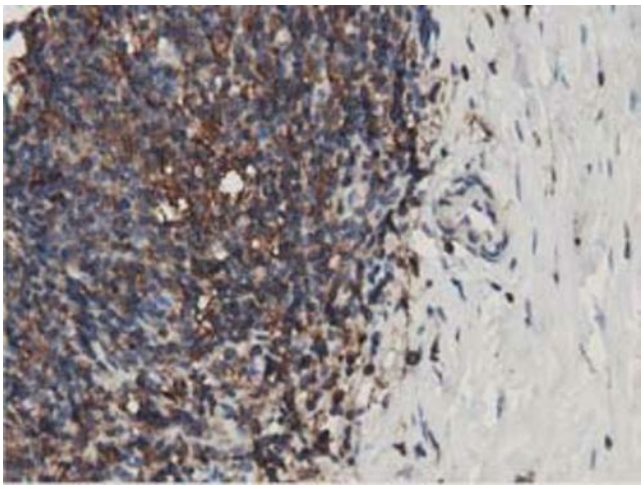
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-MICAL1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



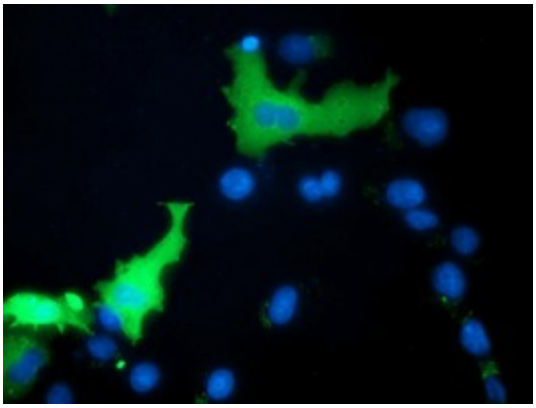
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-MICAL1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



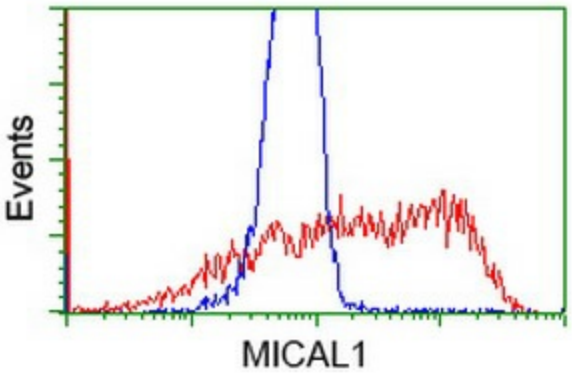
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-MICAL1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



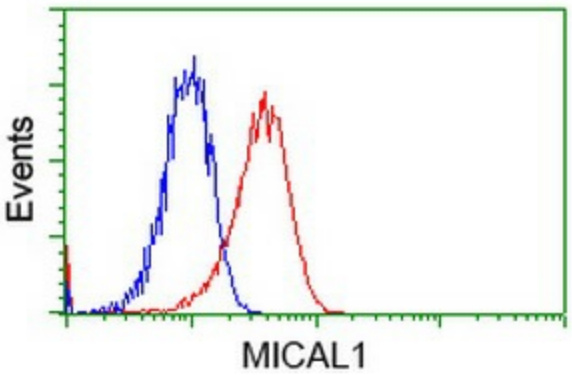
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-MICAL1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-MICAL1 mouse monoclonal antibody ([TA501893]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MICAL1 ([RC208308]).



HEK293T cells transfected with either [RC208308] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MICAL1 antibody ([TA501893]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-MICAL1 antibody ([TA501893]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).