

## Product datasheet for TA501981

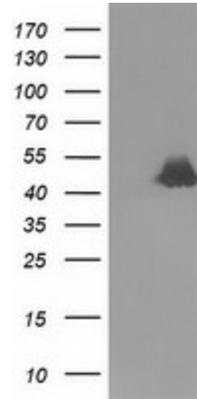
### Ribonuclease Inhibitor (RNH1) Mouse Monoclonal Antibody [Clone ID: OTI1B7]

#### Product data:

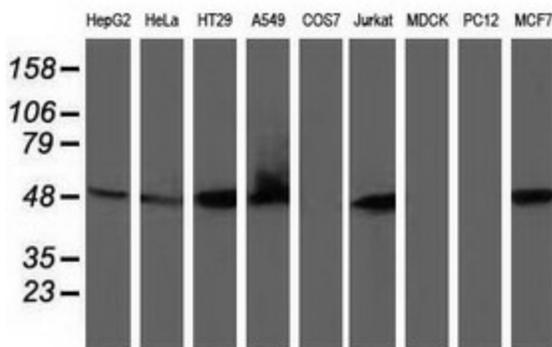
Product Type:	Primary Antibodies
Clone Name:	OTI1B7
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RNH1 (NP_002930) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.66 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	49.8 kDa
Gene Name:	ribonuclease/angiogenin inhibitor 1
Database Link:	<a href="#">NP_002930</a> <a href="#">Entrez Gene 6050</a> <a href="#">Human</a>
Background:	Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular RNases (summarized by Lee et al., 1988 [PubMed 3219362]). In addition to control of intracellular RNases, the inhibitor may have a role in the regulation of angiogenin (MIM 105850). Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a latent form. Since neutral and alkaline ribonucleases probably play a critical role in the turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the interaction of eukaryotic cells with ribonuclease may be reversible in vivo. [supplied by OMIM]
Synonyms:	RAI; RNH



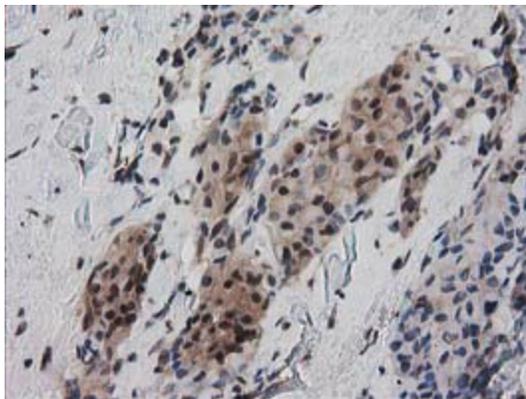
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**Product images:**


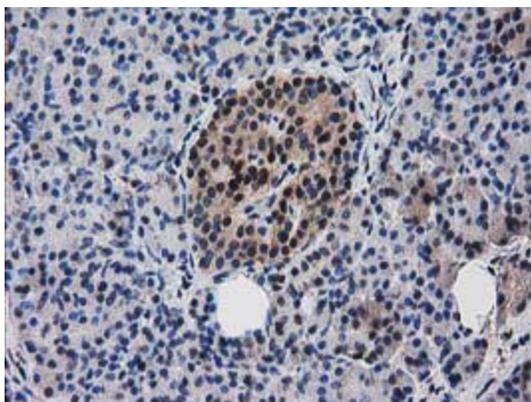
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RNH1 [RC208360], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RNH1. Positive lysates [LY401028] (100ug) and [LC401028] (20ug) can be purchased separately from OriGene.



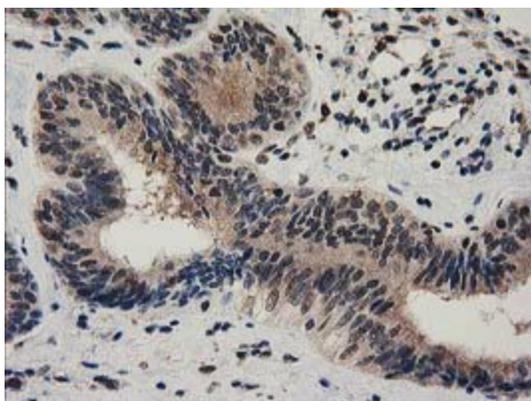
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-RNH1 monoclonal antibody.



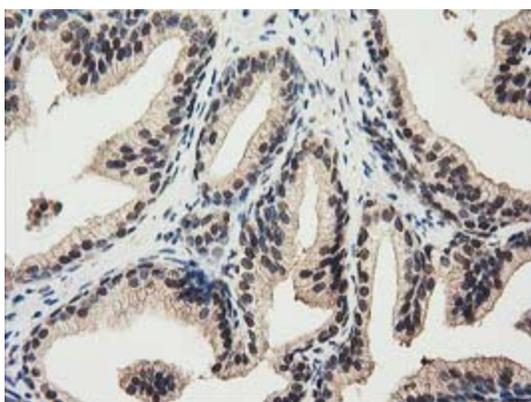
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



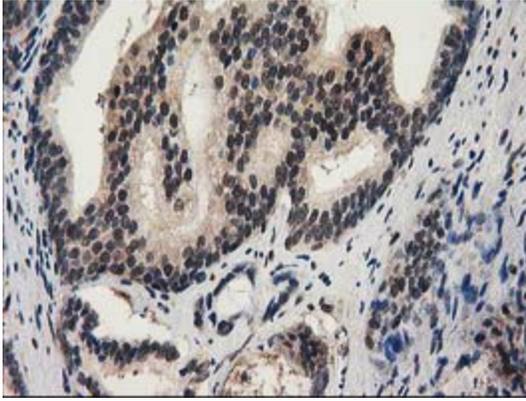
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



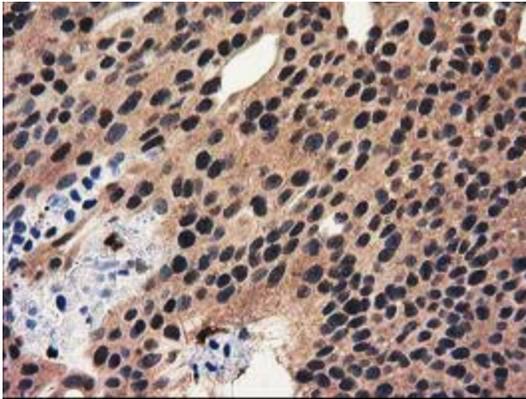
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



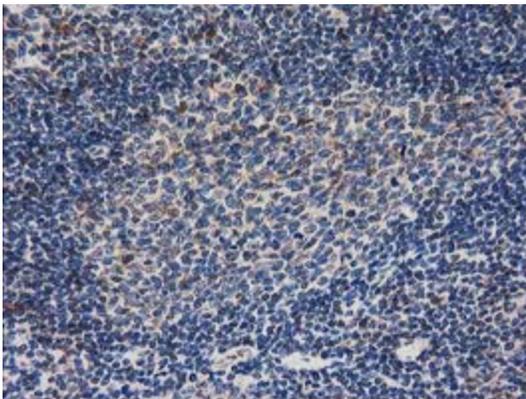
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



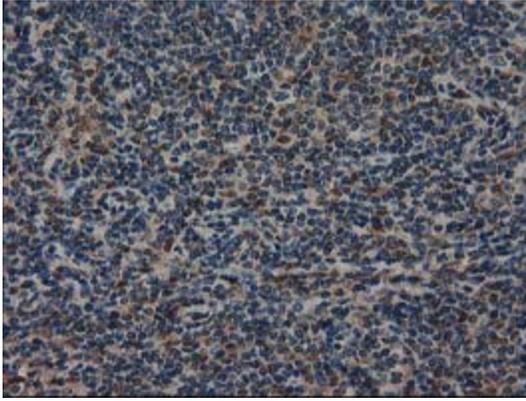
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



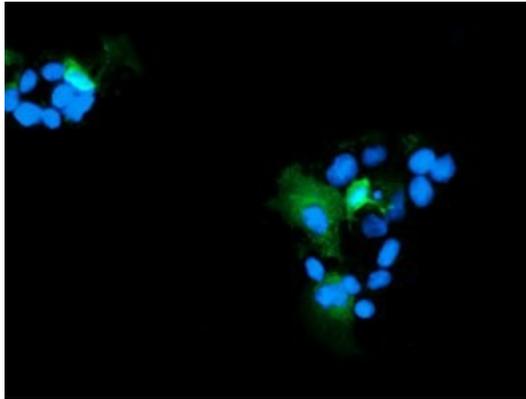
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



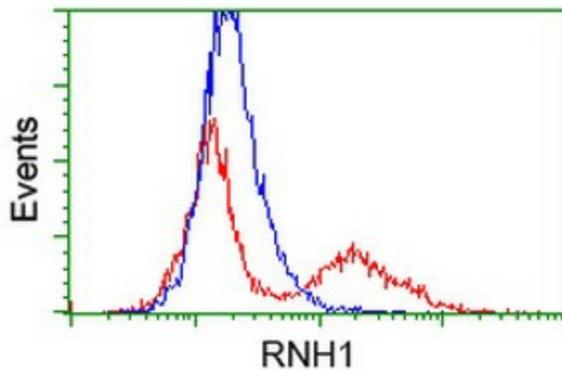
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-RNH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501981)



Anti-RNH1 mouse monoclonal antibody (TA501981) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY RNH1 ([RC208360]).



HEK293T cells transfected with either [RC208360] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RNH1 antibody (TA501981), and then analyzed by flow cytometry.