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Product datasheet for CF504641

ATRIP Mouse Monoclonal Antibody [Clone ID: OTI5E7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5E7
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 42-309 of human ATRIP(NP_569055) produced in E.coli.
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:	85.7 kDa
Gene Name:	ATR interacting protein
Database Link:	NP_569055 Entrez Gene 608504 DogEntrez Gene 84126 Human Q8WXE1

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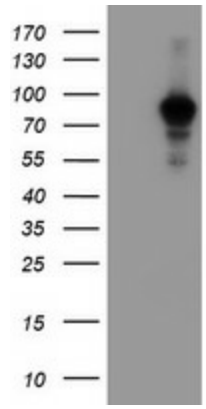
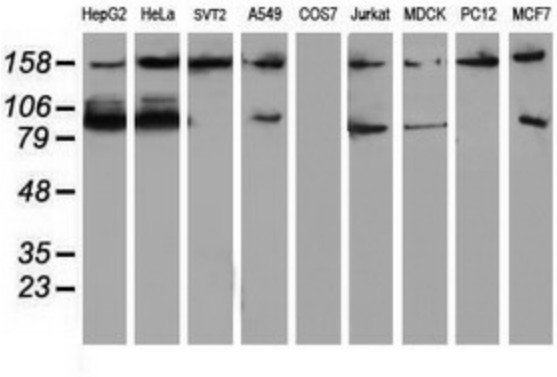
Background: The product of this gene is an essential component of the DNA damage checkpoint, and binds to single-stranded DNA coated with replication protein A that accumulates at sites of DNA damage. The encoded protein interacts with the ataxia telangiectasia and Rad3 related protein, a checkpoint kinase, resulting in accumulation of the kinase at intranuclear foci induced by DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Synonyms: DKFZp762J2115; FLJ12343; MGC20625; MGC21482; MGC26740

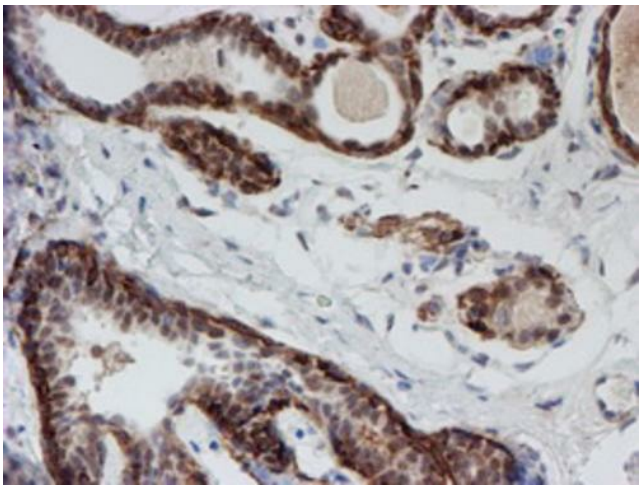
Product images:



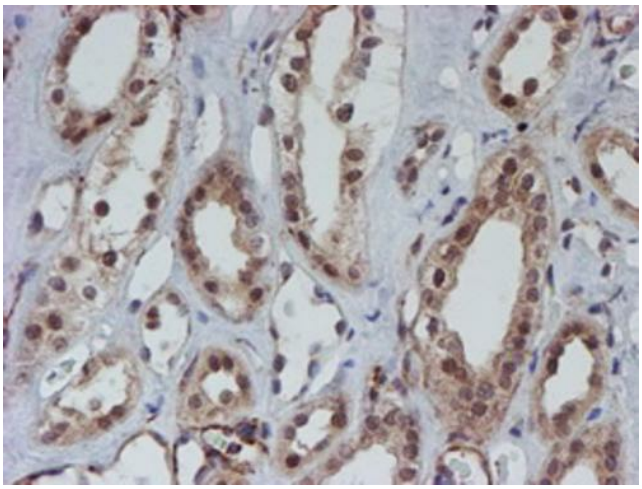
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ATRIP (Cat# [RC223562], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ATRIP(Cat# [TA504641]). Positive lysates [LY408977] (100ug) and [LC408977] (20ug) can be purchased separately from OriGene.



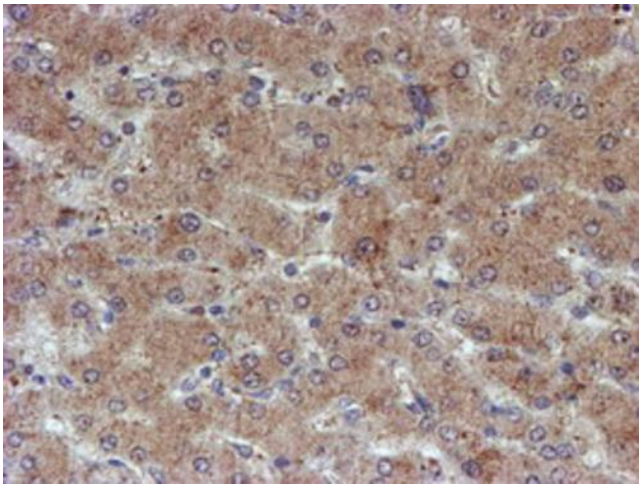
Western blot analysis of extracts (35ug) from 9 different cell lines by usin g anti-ATRIP monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



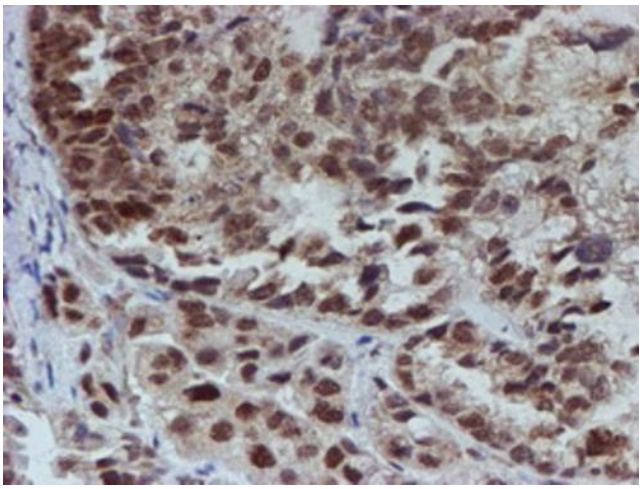
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



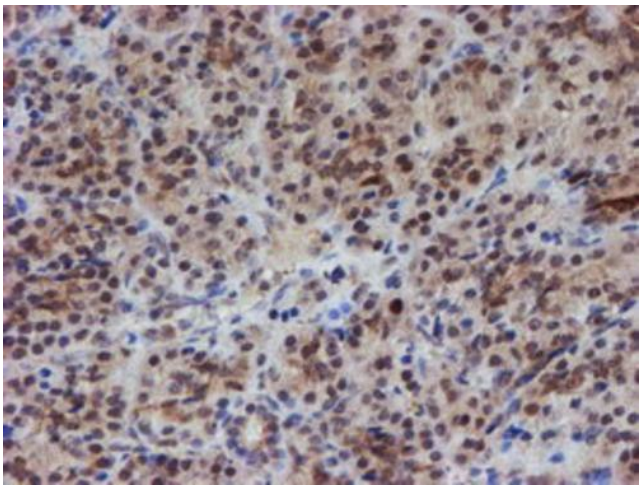
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



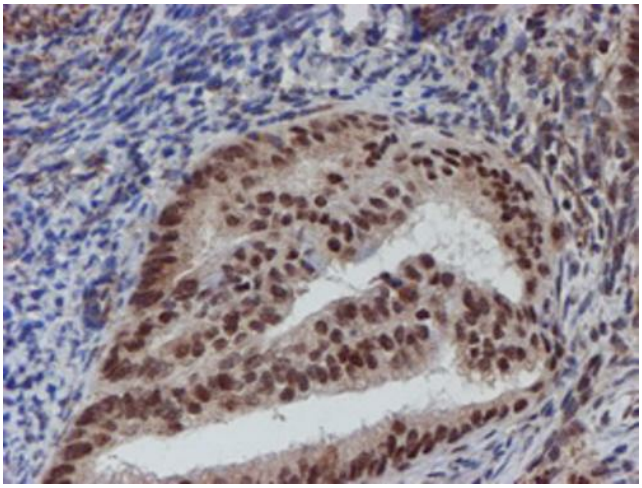
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



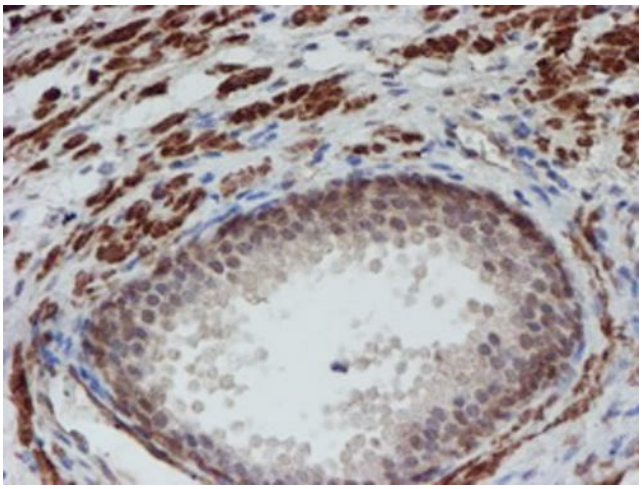
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



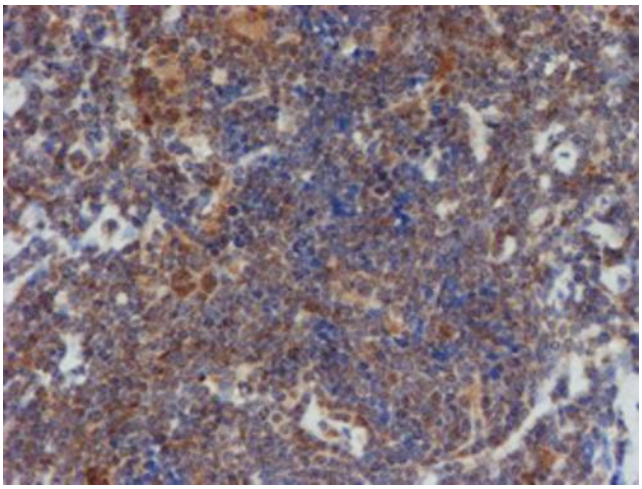
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



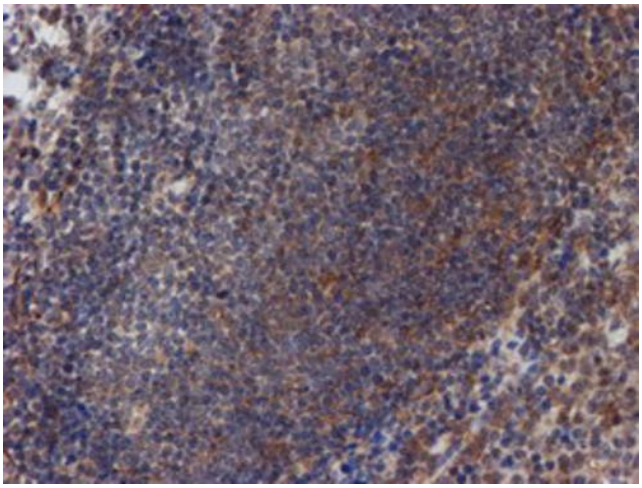
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



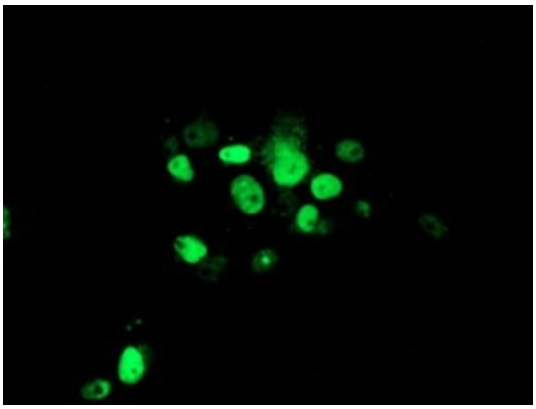
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



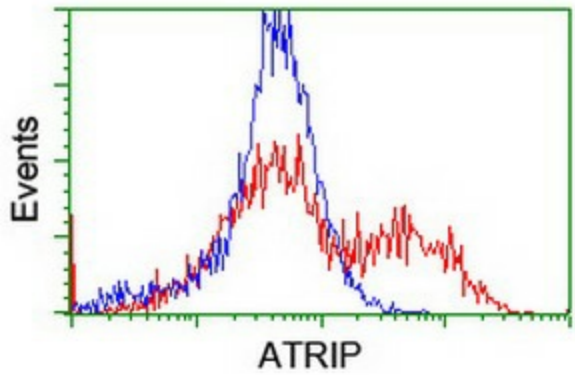
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



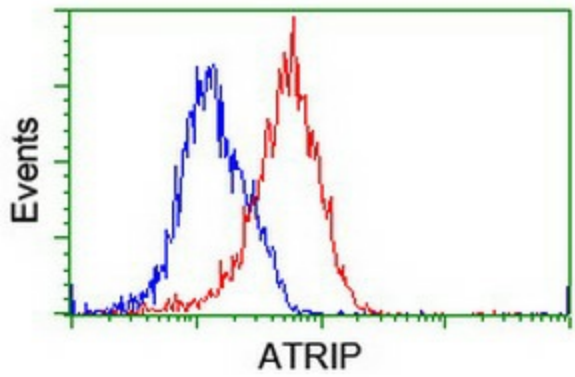
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-ATRIP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504641])



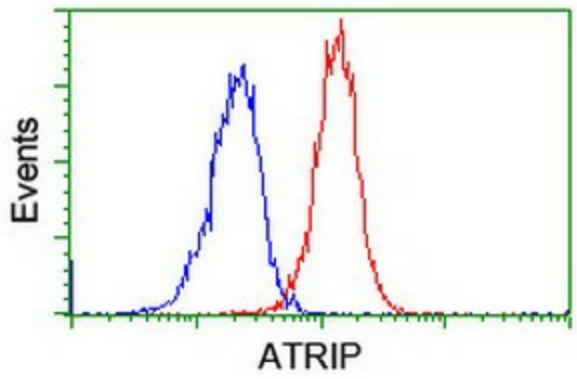
Anti-ATRIP mouse monoclonal antibody ([TA504641]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ATRIP ([RC223562]).



HEK293T cells transfected with either [RC223562] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ATRIP antibody ([TA504641]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-ATRIP antibody ([TA504641]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-ATRIP antibody ([TA504641]), (Red), compared to a nonspecific negative control antibody, (Blue).