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Product datasheet for TA373793

ATM Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human, Mouse
Modifications:	Phospho S1981
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S1981 of human ATM (NP_000042.3).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20℃. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	350kDa
Gene Name:	ATM serine/threonine kinase
Database Link:	Entrez Gene 472 Human Q13315
Background:	The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability. Mutations in this gene are associated with ataxia telangiectasia, an autosomal recessive disorder.

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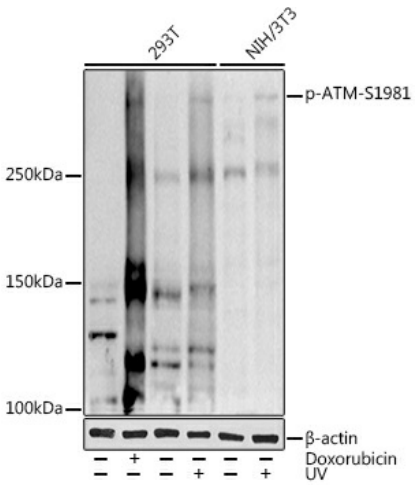
Synonyms: AT1; ATA; ATC; ATD; ATDC; ATE; DKFZp781A0353; MGC74674; TEL1; TELO1

Product images:



Western blot analysis of extracts of various cell lines, using (TA373793) at 1:1000 dilution.293T cells were treated by Doxorubicin (0.5 uM) at 37°C for 24 hours.293T cells were treated by UV at room temperature for 15-30 minutes.NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes.|Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.|Lysates/proteins: 25ug per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit .|Exposure time: 180s.