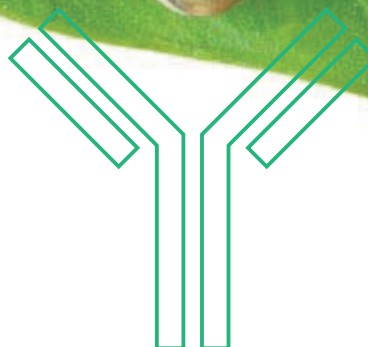




### 買抗體送 iPod Shuffle

凡購買抗體 3 支 (不含小抗 & 二抗)  
即贈送 iPod Shuffle 乙支

隨機出貨，恕不挑色 · 活動至 2010/9/30 日止



## New Products

To meet the growing demands of scientific research, GeneTex has manufactured and launched hundreds of new product every month. Though we cannot list all of our new products in this newsletter, we would like to highlight some exciting new additions to the GeneTex product family. We are proud to introduce our new antibodies for ADAM and ADAMTS. A Disintegrin And Metalloproteinases (ADAM) and ADAM with Thrombospondin motifs (ADAMTS) are proteinases structurally related to Matrix Metalloproteinases (MMPs). ADAM proteinases are membrane- anchored proteins that are structurally related to snake venom disintegrins and play an important role in a variety of biological processes involving cell-cell and cell-matrix interactions. ADAMTSes are secreted proteases characterized by thrombospondin (TS) motifs in the C-terminal domain. ADAMs and ADAMTSes have been implicated in the cellular processes related to cancer progression, including the regulation of apoptosis, proliferation and angiogenesis. Members of the ADAM family of proteases are molecular "scissors" that are implicated in cell surface shedding processes and associated signaling pathways. One example is ADAM-17 (TACE), which acts as a sheddase for membrane-bound pro-TNF- $\alpha$  and for EGF receptor ligands. Another example is ADAM-10, which activates Notch signaling by the releasing the Notch ligand Delta.

Cat.No	Product name	Applications
GTX113866	ADAM12 antibody	IF, WB
GTX101599	ADAM15 antibody	WB
GTX116206	ADAM22 antibody	WB
GTX104804	ADAM33 antibody	WB
GTX100332	ADAMTS5 antibody	WB
GTX106304	ADAMTSL1 antibody	WB
GTX102069	ADAMTSL2 antibody	WB

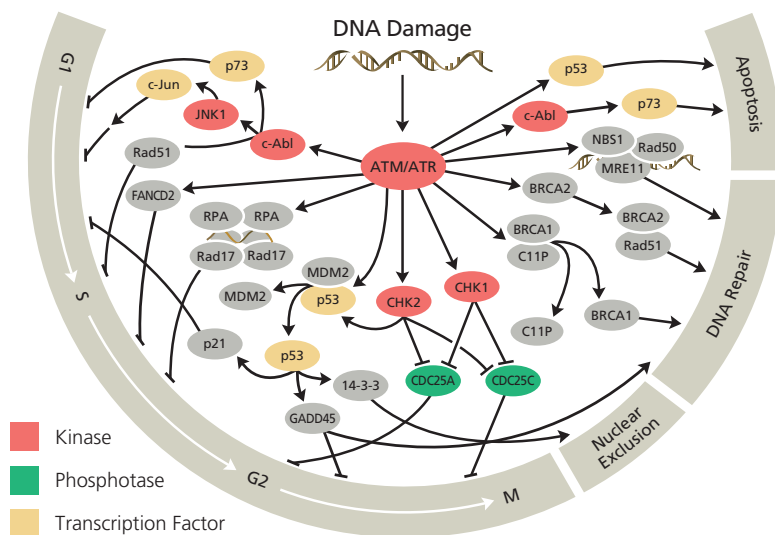
[tw.genetex.com/](http://tw.genetex.com/)



## Recent Citations

Product	Cat.No	Title	Authors	Journal
ATM(2C1)	GTX70103	Transcription-dependent Activation of Ataxia Telangiectasia Mutated Prevents DNA-dependent Protein Kinase-mediated Cell Death in Response to Topoisomerase I Poison.	Sakasai et al.	J. Biol. Chem. May 2010; 285: 15201-15208.
		Requirement of ATM for Rapid p53 Phosphorylation at Ser46 without Ser/Thr-Gln Sequences.	Kodama et al.	Mol. Cell. Biol. Apr 2010; 30: 1620-1633.
		Phosphorylation of Exo1 modulates homologous recombination repair of DNA double-strand breaks.	Bolderson et al.	Nucleic Acids Res. Apr 2010; 38: 1821-1831.
		Isoform-specific p73 knockout mice reveal a novel role for [Delta]Np73 in the DNA damage response pathway.	Wilhelm et al.	Genes & Dev. Mar 2010; 24: 549 - 560.
		ATM is down-regulated by N-Myc-regulated microRNA-421.	Hu et al.	PNAS Jan 2010; 107: 1506 - 1511.
		CDC6 interaction with ATR regulates activation of a replication checkpoint in higher eukaryotic cells.	Yoshida et al.	J. Cell Sci. Jan 2010; 123: 225 - 235.
FANCD2	GTX30142	Multiple DNA Damage Signaling and Repair Pathways Deregulated by Simian Virus 40 Large T Antigen.	Boichuk et al.	J. Virol. Jun 2010; 10.1128/JVI.00334-10.
		Differential Roles for DNA Polymerases Eta, Zeta, and REV1 in Lesion Bypass of Intrastrand versus Interstrand DNA Cross-Links.	Hicks et al.	Mol. Cell. Biol. Mar 2010; 30: 1217 - 1230.
CENP-A	GTX13939	CENP-A Reduction Induces a p53-Dependent Cellular Senescence Response To Protect Cells from Executing Defective Mitoses.	Maehara et al.	Mol. Cell. Biol. May 2010; 30: 2090 - 2104.

## Topic : ATM pathway



It is vital for cells to effectively repair DNA damage and to coordinate DNA repair with cell cycle progression. Detection of DNA damage and transduction of this signal to downstream effectors is required for the maintenance of genomic integrity and suppression of cancer in humans. ATM (Ataxia Telangiectasia Mutated) is a kinase that is essential in coordinating the cellular response to DNA damage. ATM and ATR (ATM and Rad 3-related) phosphorylate and activate several downstream effectors for apoptosis, cell cycle arrest and DNA repair, including Chk1, Chk2, BRCA1/BRCA2, Ctlp, p53, Mdm2, RPA, c-Abl and Rad51.

Cat.No	Product name	Applications
GTX70103	ATM [2C1] antibody	IF, IP, WB
GTX22888	ATM phospho S1981 antibody	IF, WB
GTX70109	ATR [2B5] antibody	IF, IP, WB
GTX100070	CHK1 antibody	IF, WB

Cat.No	Product name	Applications
GTX100065	CHK1-phospho-S345 antibody	WB
GTX101300	CHK2 antibody	WB
GTX70113	BRCA1 [8F7] antibody	IHC-P, IP, WB
GTX113004	RPA 32 kDa subunit antibody	IF, IHC-P, WB