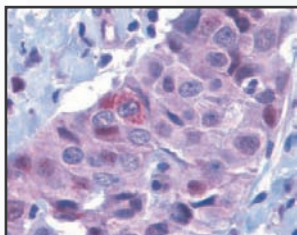
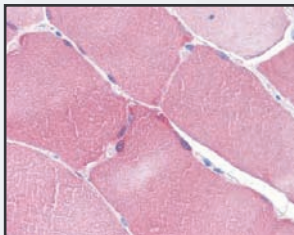


# APOPTOSIS Antibodies

The field of apoptosis continues to grow at an incredible rate. Many novel molecules including death receptors, DNA fragmentation factors, caspases and inhibitory molecules were identified recently. Antibodies against these molecules are available from ProSci.

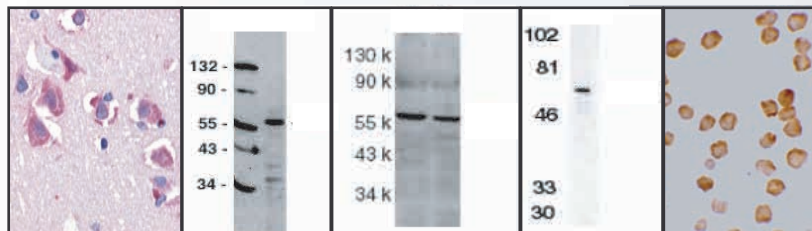
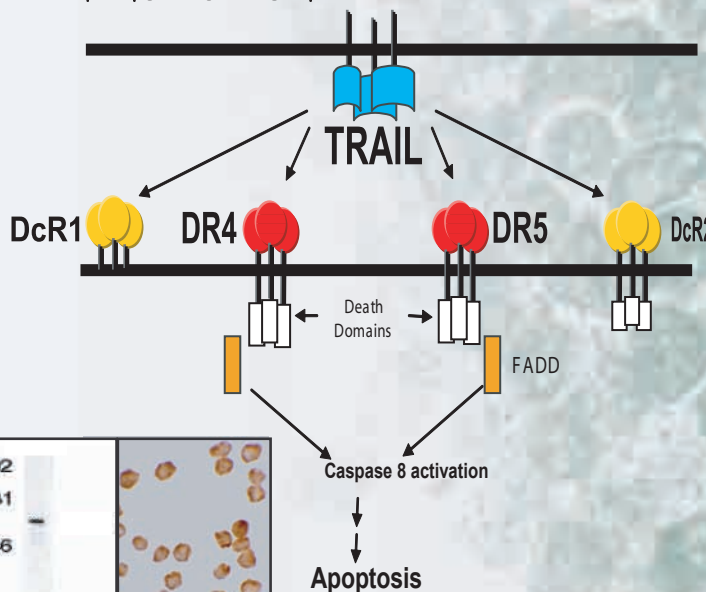


ProSci's antibodies can be used in immunohistochemistry to detect apoptosis related molecules, PUMA Antibody (Cat. No. 3043) in human breast carcinoma (left) and ARC Antibody in human skeletal tissue (right).



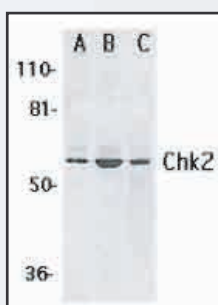
## TRAIL AND TRAIL RECEPTOR DETECTION SET

Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) is a member of the TNF family and can induce apoptotic cell death in a variety of cells. Its four known receptors are the death domain containing DR4 and DR5 which mediate TRAIL-induced cell death, and the decoy receptors DcR1 and DcR2 which can compete with DR4 and DR5 for TRAIL binding, thereby attenuating the apoptotic effect of TRAIL. The TRAIL homotrimer induces the trimerization of its receptors, and in the case of DR4 and DR5, recruits the adaptor protein FADD, which in turn recruits and activates caspase 8 and ultimately cell death.



NAME	DESCRIPTION	CAT. NO.	SPECIES	APPLICATION
TRAIL and TRAIL Receptor Detection Set	Set Includes Quality Polyclonal Antibodies Against TRAIL, DR4, DR5, DcR1, and DcR2.	PSI-1801	H, M, R	WB, IHC
TRAIL	Ligand for DR4 and DR5	1113	H	WB, IHC
DR4	Death Receptor for TRAIL	1139	H	WB
DR5	Death Receptor for TRAIL	2019	H, M	WB
DcR1	Decoy Receptor 1 for TRAIL	2179	H, M, R	WB
DcR2	Decoy Receptor 2 for TRAIL	2021	H, M, R	WB, IHC

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 signaling including Chk2, p53R2, p53AIP1, Noxa, PIDD and PID/MTA2 were recently discovered.



Western blot shows Chk2 expression in K562 (A), Jurkat (B), and HL-60 (C) cell lysates using ProSci's Chk2 Antibody (Cat. No. 2391).

### ANTIBODIES

Neurobiology  
Apoptosis  
Growth Factors  
Cytokines  
Signal Transduction  
Chemokines  
Immunology  
Infectious Diseases  
p53 Network  
TLR Related  
Phospho-Specific  
Control Immunoglobulin  
Secondary Antibodies

### CUSTOM ANTIBODIES

Polyclonal  
Monoclonal

### LYSATES

Cell Lines  
Tissue  
Nuclear Fractions  
Cytoplasmic Fractions  
Membrane Fractions  
Human, Mouse, Rat

### PROTEINS

Recombinant Proteins

### PEPTIDES

Custom Synthesis  
Blocking Peptides

### IMMUNOBLOTS

Human Cell Lines  
Human Tissue  
Mouse Tissue  
Rat Tissue

### SLIDES

Human Tissue  
Human Cell Lines  
Mouse Cell Lines  
Cell Line Arrays  
Tissue Arrays  
Human Tissue Panels

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