Anti-DR5 Antibody

**ORDERING INFORMATION**
Catalog No.: 2421  
Size: 100μg IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

**BACKGROUND**
Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain-containing receptors. TRAIL/Apo2L is a new member of the TNF family. A novel death domain-containing receptor for TRAIL was recently identified and designated DR5, Apo2, TRAIL-R2, TRICK2, or KILLER by several independent laboratories. Like DR4, DR5 transcript is widely expressed in normal tissues and in many types of tumor cells. DR5 binds to TRAIL and mediates TRAIL-induced cell death. Overexpression of DR5 induces apoptosis and activates NF-κB.

**SPECIFICATION SUMMARY**
Antigen: Peptide corresponding to aa 388-407 of human DR5 precursor (accession no. AF012535).  
Host Species: Rabbit  
Stabilizers: None  
Preservatives: 0.02% sodium azide.

**SPECIFICITY**
This antibody recognizes full-length human and mouse DR5 (57kDa).

**APPLICATIONS**
*Immunoblotting*: use at 2μg/ml.  
Western blot analysis of DR5 in HeLa (H) and K562 (K) cell lysates with DR5 antibody at 2μg/ml.  
*Positive control*: Whole cell lysate from HeLa cells or K562 cells.  
*Immunocytochemistry*: use at 5μg/ml.  
Immunocytochemical staining of DR5 in HeLa cells with DR5 antibody at 5μg/ml.

**DILUTION INSTRUCTIONS**
Dilute in PBS or medium which is identical to that used in the assay system.

**STORAGE AND STABILITY**
This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*