

## DR5 Antibody

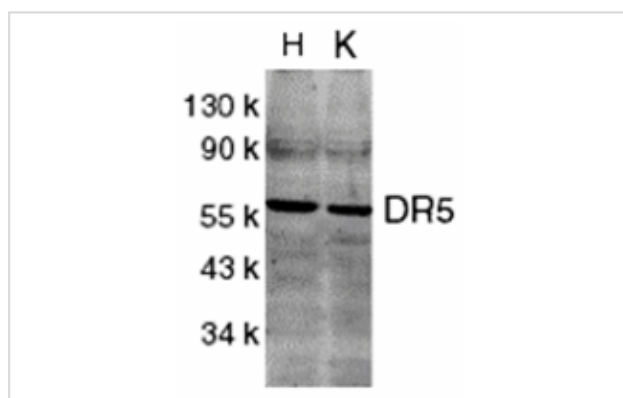
Catalog No: #24041

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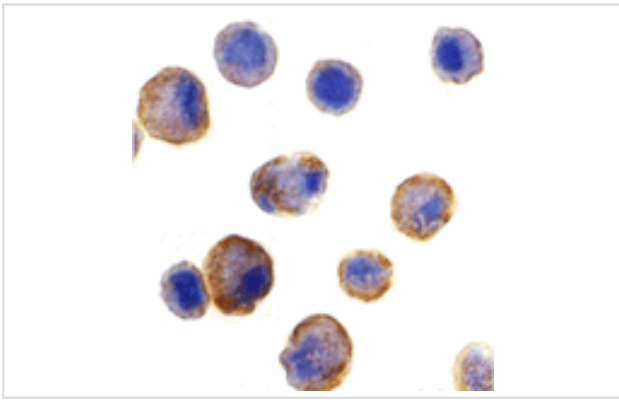
## Description

Product Name	DR5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Specificity	Antibody has no cross reaction to DR4.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the carboxy terminus of human DR5 precursor.
Target Name	DR5
Other Names	DR5, TRAIL-R2
Accession No.	Swiss-Prot:O14763Gene ID:8795
Uniprot	O14763
GeneID	8795;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of DR5 in HeLa (H) and K562 (K) cell lysates with DR5 antibody at 2 ug/mL.



Immunocytochemistry of DR5 in HeLa cells with DR5 antibody at 5 ug/mL.

## 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. DR4 was recently identified as the receptor for TRAIL. A novel death domain containing receptor for TRAIL was more recently identified and designated DR5, Apo2, TRAIL-R2, TRICK2, or KILLER by several groups independently. 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- $\kappa$ B.

Note: This product is for in vitro research use only