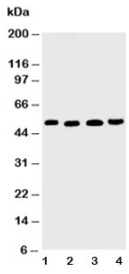
TRAIL R2 Antibody (DR5) (R30940)

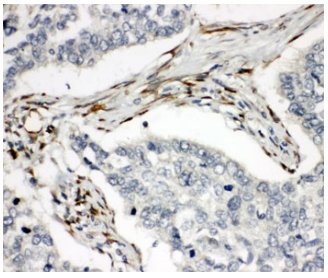
Catalog No.	Formulation	Size
R30940	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O14763
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This TRAIL R2 antibody is available for research use only.



Western blot testing of TRAIL R2 antibody and Lane 1: HeLa; 2: MM231; 3: SGC; 4: HT1080 cell lysate



IHC-P: TRAIL R2 antibody testing of human lung cancer tissue

Description

TNFRSF10B (Tumor necrosis factor receptor superfamily, member 10b) has many names, including DR5, CD262, KILLER, TRICK2, TRICKB, ZTNFR9, TRAILR2, TRICK2A, TRICK2B, TRAIL R2, KILLER/DR5. The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces apoptosis signal. Mice have a homologous gene, tnfrsf10b, that has been essential in the elucidation of the function of this gene in humans. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. By analysis of radiation hybrid panels, Walczak et al.(1997) mapped the gene to chromosome 8p22-p21. Northern blot analysis indicated that TRAIL R2 was expressed as a 4.4-kb mRNA in all tissues tested, with the highest levels of expression in peripheral blood lymphocytes, spleen, and ovary.

Application Notes

The stated application concentrations are suggested starting points. Titration of the TRAIL R2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human DR5/TRAIL R2 (DPTETLRQCFDDFADL) was used as the immunogen for this TRAIL R2 antibody.

Storage

After reconstitution, the TRAIL R2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.