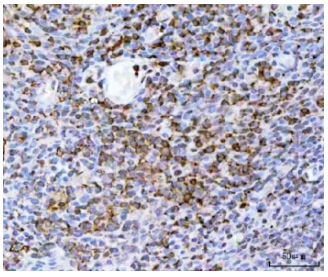
TRAILR2 Antibody / TRAIL Receptor 2 / DR5 (RQ8016)

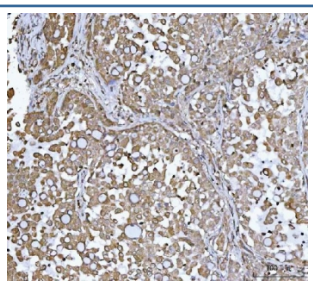
Catalog No.	Formulation	Size
RQ8016	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

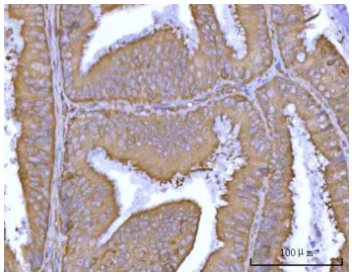
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14763
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This TRAILR2 antibody is available for research use only.



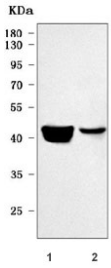
IHC staining of FFPE human tonsil tissue with TRAILR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



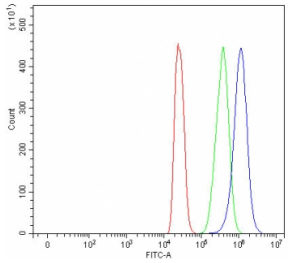
IHC staining of FFPE human lung cancer tissue with TRAILR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human endometrioid adenocarcinoma tissue with TRAILR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human K562 and 2) rat PC-12 cell lysate with TRAILR2 antibody. Expected molecular weight: ~40 kDa (mature form) and ~48 kDa (precursor). This protein may also be visualized at ~60 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with TRAILR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRAILR2 antibody.

Description

TNFRSF10B (Tumor necrosis factor receptor superfamily, member 10b) is a human gene. It is also known as 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, this gene is mapped to chromosome 8p22-p21. Northern blot analysis indicated that TRAILR2 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

Optimal dilution of the TRAILR2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids I56-K388) was used as the immunogen for the TRAILR2 antibody.

Storage

After reconstitution, the TRAILR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.