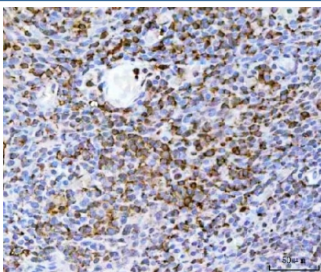


## TRAILR2 Antibody / TRAIL Receptor 2 / DR5 (RQ8016)

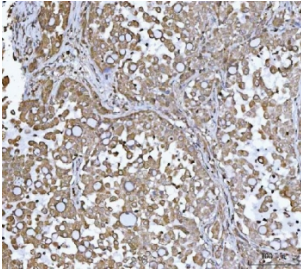
Catalog No.	Formulation	Size
RQ8016	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

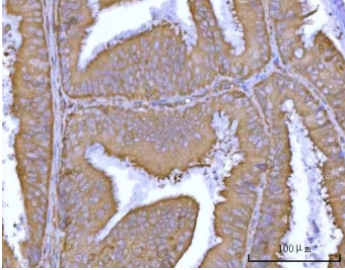
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose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



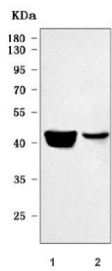
IHC staining of FFPE human tonsil tissue with TRAILR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



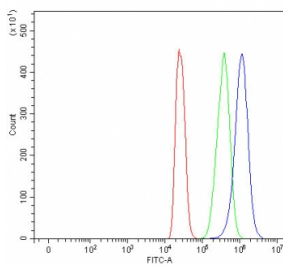
IHC staining of FFPE human lung cancer tissue with TRAILR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.