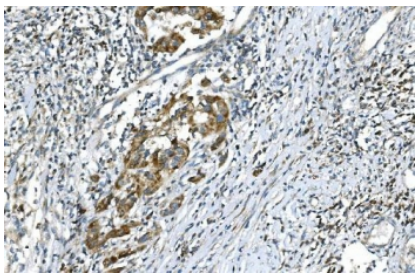
DR6 Antibody / TNFRSF21 (RQ5845)

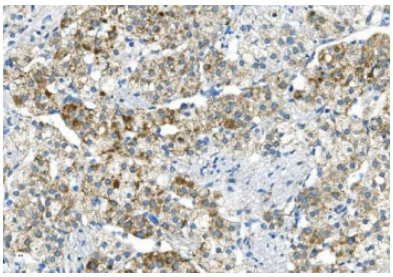
Catalog No.	Formulation	Size
RQ5845	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

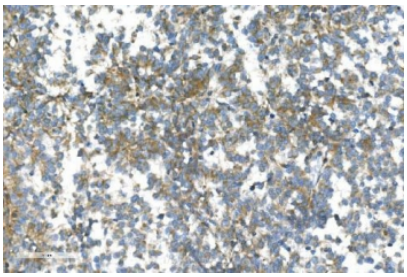
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O75509
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This DR6 antibody is available for research use only.



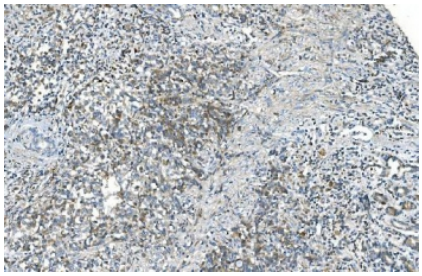
IHC staining of FFPE human bladder cancer with DR6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



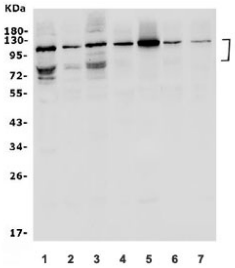
IHC staining of FFPE human renal carcinoma with DR6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



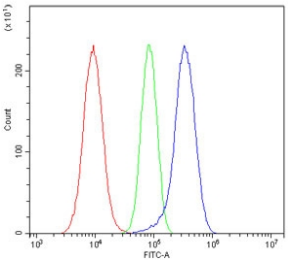
IHC staining of FFPE human melanoma with DR6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human gastric cancer with DR6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) K562, 2) Raji, 3) SW620, 4) rat brain, 5) rat C6, 6) mouse brain and 7) mouse RAW264.7 lysate with DR6 antibody. Expected molecular weight: 72-120 kDa depending on glycosylation level.



Flow cytometry testing of human A549 cells with DR6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DR6 antibody.

Description

This gene encodes a member of the tumor necrosis factor receptor superfamily. The encoded protein activates nuclear factor kappa-B and mitogen-activated protein kinase 8 (also called c-Jun N-terminal kinase 1), and induces cell apoptosis. Through its death domain, the encoded receptor interacts with tumor necrosis factor receptor type 1-associated death domain (TRADD) protein, which is known to mediate signal transduction of tumor necrosis factor receptors. Knockout studies in mice suggest that this gene plays a role in T-helper cell activation, and may be involved in inflammation and immune regulation.

Application Notes

Optimal dilution of the DR6 antibody should be determined by the researcher.

Immunogen

Amino acids QNLHKHFDINEHLPWMIAA from the human protein were used as the immunogen for the DR6 antibody.

Storage

After reconstitution, the DR6 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.