

DR5 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10048**Specification**

DR5 Antibody - Product Information

Application	WB
Primary Accession	O9QZM4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42165

DR5 Antibody - Additional Information**Gene ID** 21933

Application & Usage	Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects 60 kDa DR5 in samples of human and mouse origins
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Other Names

TNFRSF10B, TRICKB, TRANCE-R, ZTNFR9, CD262, TRICK2A, Apo2, TRAIL-R2, TRICK2, KILLER

Target/Specificity

DR5

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) immunoaffinity purified rabbit anti-DR5 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

DR5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DR5 Antibody - Protein Information

Name Tnfrsf10b

Synonyms Dr5, Killer

Function

Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

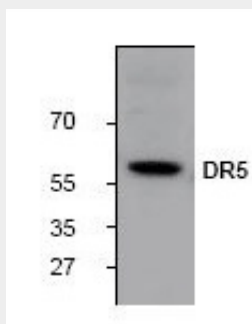
Highly expressed in heart, lung and kidney.

DR5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DR5 Antibody - Images



Western blot analysis of DR5 expression in Jurkat cell lysate.

DR5 Antibody - Background

DR5 is the DD containing receptor for TRAIL, Apo2, TRAIL-R2, TRICK2, or KILLER. DR5 transcript is widely expressed in normal tissues and in many types of tumor cells. Like DR3 and TNFR1, DR5 mediate apoptosis by FADD dependent pathway. Over-expression of DR5 induces apoptosis and activates NFkB.