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# Rabbit Anti-DR5 antibody

SL7352R

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| **Product Name:** | DR5 |
| **Chinese Name:** | 死亡受体5抗体 |
| **Alias:** | Death receptor 5; CD 262; CD262; CD262 antigen; Death domain containing receptor for TRAIL/Apo2L; Death receptor 5; DR 5; DR5; Fas like protein precursor; KILLER; KILLER/DR5; p53 regulated DNA damage inducible cell death receptor (killer); TNF related apoptosis inducing ligand receptor 2; TNF-related apoptosis-inducing ligand receptor 2; TNFRSF10B; TRAIL R2; TRAIL receptor 2; TRAILR2; TRANCER; TRICK2; TRICK2A; TRICK2B; TRICKB; Tumor necrosis factor receptor like protein ZTNFR9; Tumor necrosis factor receptor superfamily member 10b; ZTNFR9. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 42kDa |
| **Cellular localization:** | The cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human DR5/CD262:131-230/440<Extracellular> |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |

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| **Product Detail:** | 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 an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene.<br><br>**Function:**<br>CD262 is a 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.<br><br>**Subcellular Location:**<br>Membrane.<br><br>**Tissue Specificity:**<br>Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain.<br><br>**DISEASE:**<br>Squamous cell carcinoma of the head and neck (HNSCC) [MIM:275355]: A non-melanoma skin cancer affecting the head and neck. The hallmark of cutaneous SCC is malignant transformation of normal epidermal keratinocytes. Note=The disease may be caused by mutations affecting the gene represented in this entry.<br><br>**Similarity:**<br>Contains 1 death domain.<br>Contains 3 TNFR-Cys repeats.<br><br>**SWISS:**<br>O14763<br><br>**Gene ID:**<br>8795<br><br>**Database links:**<br><br>Entrez Gene: 8795 Human<br><br>Omim: 603612 Human |

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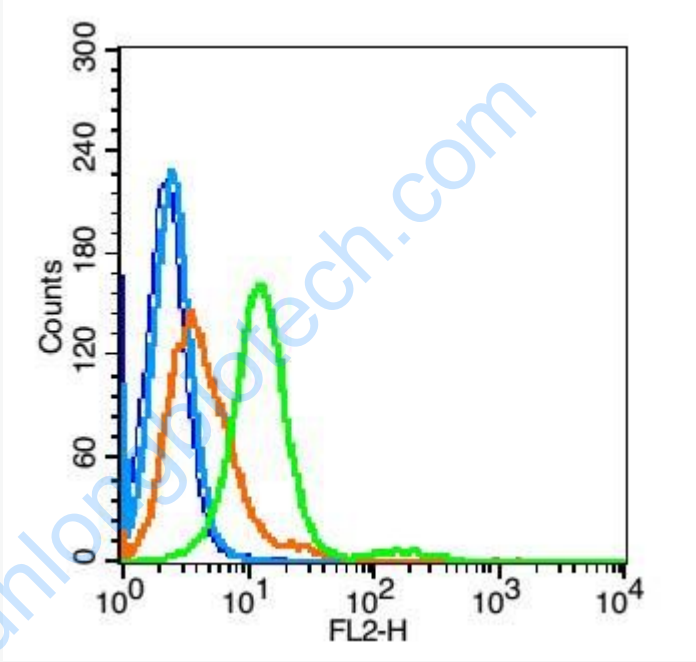
| | SwissProt: O14763 Human<br><br>Unigene: 521456 Human<br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Picture:** |  <br><br>Blank control(blue): U-87MG(fixed with 2% paraformaldehyde (10 min)).<br><br>Primary Antibody:Rabbit Anti- DR5 antibody(SL7352R), Dilution: 5μg in 100 μL 1X PBS containing 0.5% BSA;<br><br>Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions );<br><br>Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. |