bs-1696R **[Primary Antibody]**

DR5 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 364420

Target: DR5

Immunogen: KLH conjugated synthetic peptide derived from rat DR5: 301-381/381. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. [provided by RefSeq, Mar 2009]

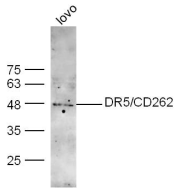
Applications: **WB** (1:500-2000)
ICC/IF (1:100)

Reactivity: Human (predicted: Mouse, Rat)

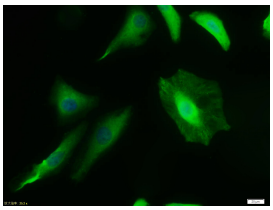
Predicted MW.: 48 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: lovo Cell (Human) Lysate at 40 ug Primary: Anti-DR5/CD262 (bs- 1696R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (DR5) polyclonal Antibody, Unconjugated (bs-1696R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=11.556]** Wen-juan Jiang. et al. Tubular epithelial cell-to-macrophage communication forms a negative feedback loop via extracellular vesicle transfer to promote renal inflammation and apoptosis in diabetic nephropathy. Theranostics. 2022; 12(1): 324–339 WB ;Mouse,Human. 34987648
- **[IF=10.2]** Xiaoyu Liang. et al. ROS-responsive death receptor 5 fusion protein nano-delivery system enhances myocardial ischemia-reperfusion injury protection. MATER TODAY BIO. 2025 May;:101899 IF ;Rat. 40502365
- **[IF=7.129]** Furui Han. et al. In vivo and in vitro study on hepatotoxicity of Tris-(2, 3-dibromopropyl) isocyanurate exposure via mitochondrial and death receptor pathway. ECOTOX ENVIRON SAFE. 2022 Nov;246:114186 WB ;Rat,

Human. 36244175

- **[IF=4.4]** Shaona Li. et al. 5-methoxytryptophan ameliorates renal ischemia/reperfusion injury by alleviating endoplasmic reticulum stress-mediated apoptosis through the Nrf2/HO-1 pathway. FRONT PHARMACOL. 2025 Apr;16: WB ;Mouse. 40297140
- **[IF=3.057]** Kong et al. Dihydroartemisinin enhances Apo2L/TRAIL-mediated apoptosis in pancreatic cancer cells via ROS-mediated up-regulation of death receptor 5. (2012) PLoS.On. 7:e37222 WB ;Human. 22666346