bs-1694R **[Primary Antibody]**

DcR2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8793 **SWISS:** Q9UBN6

Target: DcR2

Immunogen: KLH conjugated synthetic peptide derived from human DcR2: 56-160/386. < Extracellular >

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: Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L, a member of the TNF family, induces apoptosis of a variety of tumor cell lines. DR4 and DR5 are functional receptors for TRAIL, and DcR1/TRID is a decoy receptor. Another member of the TRAIL receptor family was identified and designated DcR2. The DcR2 receptor is 386 amino acids in length and has an extracellular TRAIL binding domain, but lacks intracellular death domain and does not induce apoptosis. Although this receptor binds to the cytotoxic ligand TRAIL, it contains a truncated death domain and functions as an inhibitory receptor. When overexpressed, the DcR2 receptor can protect cells against TRAIL mediated cytotoxicity. Like DR4 and DR5, DcR2 transcript is widely expressed in a variety of normal human tissues but DcR2 is absent in most tumors. Ultraviolet radiation has been shown to upregulate DcR2 expression on human keratinocytes. Over expression of DcR2 attenuated TRAIL induced apoptosis.

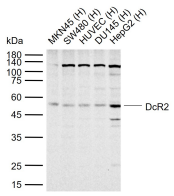
Applications: **WB** (1:500-2000)
Flow-Cyt (1µg /test)

Reactivity: Human

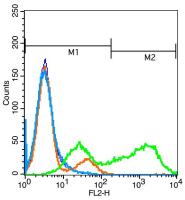
Predicted MW.: 36 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Human MKN45 cell lysates Lane 2: Human SW480 cell lysates Lane 3: Human HUVEC cell lysates Lane 4: Human DU145 cell lysates Lane 5: Human HepG2 cell lysates Primary: Anti-DcR2 (bs-1694R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kDa Observed band size: 50 kDa



Blank control: Jurkat cells(blue). Primary Antibody:Rabbit Anti-DcR2 antibody(bs-1694R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min) . Primary antibody (bs-1694R, 1µg /1x10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.