

# DcR3 Antibody

Catalog # ASC10070

## Product Information

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<b>Application</b>	WB, E, IHC-P
<b>Primary Accession</b>	<a href="#">O95407</a>
<b>Other Accession</b>	<a href="#">AF104419</a> , <a href="#">4106877</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	32680
<b>Conjugate</b>	Unconjugated
<b>Application Notes</b>	DcR3 antibody can be used for detection of DcR3 expression by Western blot 0.5 $\mu$ g/mL. An approximately 33 kDa band can be detected. Antibody can also be used for immunohistochemistry starting at 1 $\mu$ g/mL.

## Additional Information

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<b>Gene ID</b>	8771
<b>Other Names</b>	DcR3 Antibody: M68, TR6, DCR3, M68E, DJ583P15.1.1, UNQ186/PRO212, Tumor necrosis factor receptor superfamily member 6B, Decoy receptor 3, DcR3, tumor necrosis factor receptor superfamily, member 6b, decoy
<b>Target/Specificity</b>	TNFRSF6B;
<b>Reconstitution &amp; Storage</b>	DcR3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
<b>Precautions</b>	DcR3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TNFRSF6B
<b>Synonyms</b>	DCR3, TR6
<b>Function</b>	Decoy receptor that can neutralize the cytotoxic ligands TNFSF14/LIGHT, TNFSF15 and TNFSF6/FASL. Protects against apoptosis.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Detected in fetal lung, brain and liver. Detected in adult stomach, spinal cord, lymph node, trachea, spleen, colon and lung. Highly expressed in several

## Background

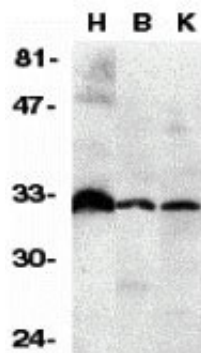
DcR3 Antibody: Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. Several novel members in the TNFR family including DR3, DR4, DR5, and DR6 were recently discovered and function as cell death receptors. Two decoy receptors, DcR1 and DcR2, were recently identified to compete with DR4 and DR5 for their ligand TRAIL binding. A novel decoy receptor was more recently discovered and designated DcR3 and TR6, respectively,. Unlike DcR1 and DcR2, DcR3 is a soluble rather than a membrane associated molecule. DcR3 binds to FasL and LIGHT and inhibits FasL and LIGHT induced apoptosis. DcR3 transcript is expressed in a number of lung and colon carcinomas and in some normal tissues.

## References

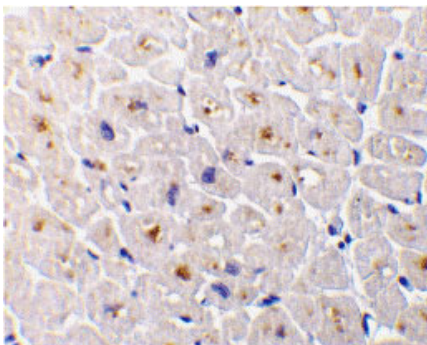
Pitti RM, Marsters SA, Lawrence DA, Roy M, Kischkel FC, Dowd P, Huang A, Donahue CJ, Sherwood SW, Baldwin DT, Godowski PJ, Wood WI, Gurney AL, Hillan KJ, Cohen RL, Goddard AD, Botstein D, Ashkenazi A. Genomic amplification of a decoy receptor for Fas ligand in lung and colon cancer. *Nature* 1998;396:699-703

Yu KY, Kwon B, Ni J, Zhai Y, Ebner R, Kwon BS. A newly identified member of tumor necrosis factor receptor superfamily (TR6) suppresses LIGHT-mediated apoptosis. *J Biol Chem* 1999;274:13733-6 (RD1299)

## Images



Western blot analysis of DcR3 in human heart (H), brain (B), and kidney (K) tissue lysates with DcR3 antibody at 1:500 dilution.



Immunohistochemistry of DcR3 in human heart tissue with DcR3 antibody at 1 µg/mL.