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DcR3 Antibody

Catalog # ASC10070

Product Information

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

Additional Information

Gene ID	8771
Other Names	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
Target/Specificity	TNFRSF6B;
Reconstitution & Storage	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.
Precautions	DcR3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNFRSF6B
Function	Soluble decoy receptor that binds and neutralizes the TNF- family ligands TNFSF14/LIGHT, TNFSF15, and FASLG, preventing them from interacting with their cognate receptors and thereby blocking apoptosis and other immune-signaling pathway.
Cellular Location	Secreted.
Tissue Location	Detected in fetal lung, brain and liver. Detected in adult stomach, spinal cord, lymph node, trachea, spleen, colon and lung. Highly expressed in several

primary tumors from colon, stomach, rectum, esophagus and in SW480 colon carcinoma cells

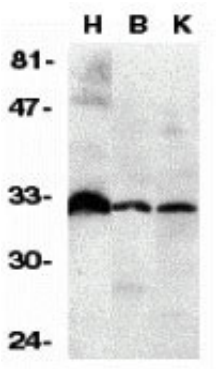
Background

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.

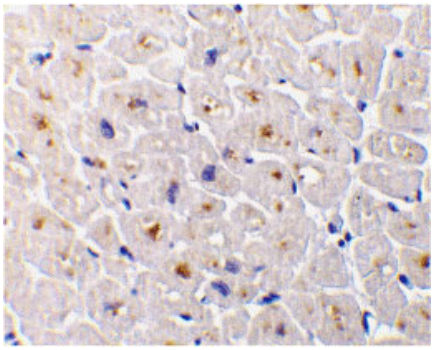
References

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.