

Anti-TRAIL (CT) Apo-2L

CATALOG No.: PX065A **SIZE:** 100 µg
 PX065B **SIZE:** 0.5 mg

BACKGROUND:

Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel member in the TNF family was recently identified and designated TRAIL (for TNF-related apoptosis-inducing ligand) and Apo-2L (for Apo-2 ligand)^{1,2}. TRAIL is a type II membrane protein and expressed in a variety of human tissues. Two novel death domain containing receptors DR4 and DR5 have been identified as the receptor for TRAIL³⁻⁶. Like TNF and Fas ligand, TRAIL induces apoptosis and NF-κB activation in many tissues and cells.

SOURCE:

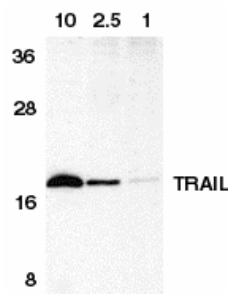
Rabbit anti-TRAIL (CT) polyclonal antibody was raised against a peptide corresponding to amino acids 261 to 277 of human TRAIL (1).

APPLICATION:

This polyclonal antibody can be used for detection of TRAIL by Western blot at 1:500 dilution. For research use only.

STORAGE:

It is supplied as ion chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year. Azide free antibody is available.



Western blot analysis of TRAIL in HeLa cell lysate containing 10, 2.5, or 1 ng of recombinant protein containing extracellular domain of TRAIL with anti-TRAIL (CT) at 1 µg/ml.

REFERENCES:

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3. Pan G, O'Rourke K, Chinnaiyan AM, O'Rourke K, Gentz R, Ebner R, Ni J, Dixit VM. The receptor for the cytotoxic ligand TRAIL. *Science*; 1997;276:111-113
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5. Pan G, Ni J, Wei YF, Yu G, Gentz R, Dixit VM. An antagonist decoy receptor and a death domain-containing receptor for TRAIL. *Science* 1997;277:815-818
6. Sheridan JP, Marsters SA, Pitti RM, Gurney A, Skubatch M, Baldwin D, Ramakrishnan L, Gray CL, Baker K, Wood WI, Goddard AD, Godowski P, Ashkenazi A. Control of TRAIL-induced apoptosis by a family of signaling and decoy receptors. *Science* 1997;277:818-821

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



Cell Sciences, Inc.
 480 Neponset Street
 Bldg 12A
 Canton, MA 02021

Toll Free: 888-769-1246
 Phone: 781-828-0610
 Fax: 781-828-0542

E-mail: info@cellsciences.com
 Web Site: www.cellsciences.com