

Anti-SODD (NT)

CATALOG No.: PX080A SIZE: 100 µg
PX080B SIZE: 0.5 mg

BACKGROUND:

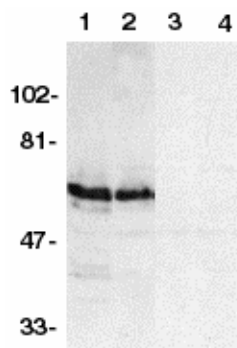
Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain containing receptors, TNF-R1 and Fas. Several novel death receptors including DR3, DR4, DR5, and DR6 were recently identified. Cell death signal is transduced by death domain containing adapter molecules through the interaction with death domain of these death receptors. A novel TNF-R1 interacting protein was recently identified and designated SODD for silencer of death domains (1). SODD associates with the death domain of TNF-R1 and prevents constitutive activation of TNF-R1 signaling. TNF treatment releases SODD and permits adapter molecules such as TRADD recruiting to the active TNF-R1 complex, which activates TNF signaling pathways. SODD also interacts with DR3. SODD is ubiquitously expressed in human tissues and cell lines.

SOURCE:

Rabbit anti-SODD (NT) polyclonal antibody was raised against a peptide corresponding to amino acids 2 to 16 of human SODD (1).

APPLICATION:

This polyclonal antibody can be used for detection of SODD by Western blot at 1:500 to 1:2000 dilution. HeLa and THP-1 whole cell lysate can be used as positive control and an approximately 60 kDa band can be detected. It is human, mouse, and rat reactive. For research use only.



Western blot analysis of SODD in HeLa (1,3) and THP-1 (2,4) whole cell lysates in the absence (1,2) or presence (3,4) of blocking peptide (Catalog no. 2143P) with anti-SODD (NT) at 1:500 dilution.

STORAGE:

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

REFERENCES:

1. Jiang Y, Woronicz JD, Liu W, Goeddel DY. Prevention of constitutive TNF receptor 1 signaling by silencer of death domains. *Science* 1999;283:543-6

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



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