
Anti- SODD

Cat #: HM1338
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

SODD, for silencer of death domains, is a member of the BAG1-related protein family. It contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. SODD associates with the death domain of tumor necrosis factor receptor type 1 (TNF-R1) and death receptor-3 (DR3), and thereby negatively regulates downstream cell death signaling. TNF treatment results in the release of SODD from TNF-R1, allowing the recruitment of TRADD and TRAF2 to the receptor complex (7). Thus, SODD may play a role in preventing spontaneous signaling by death-domain receptors, in the absence of ligand.

SPECIFICITY

This antibody specifically reacts with SODD of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human SODD protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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3. Hsu, H., Huang, J., Shu, H.B., Baichwal, V., and Goeddel, D.V. 1996. TNF-dependent recruitment of the protein kinase RIP to the TNF receptor-1 signaling complex. *Immunity* 4: 387-96.
4. Jiang, Y., Woronicz, J.D., Liu, W., and Goeddel, D.V. 1999. Prevention of constitutive TNF receptor 1 signaling by silencer of death domains. *Science* 283: 543-546. Erratum: *Science* 283: 1852.

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6. Lau, P.P. and Chan, L. (2003) Involvement of a chaperone regulator, Bcl2-associated athanogene-4, in apolipoprotein B mRNA editing. *J. Biol. Chem.* 278, 52988-52996.

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