SODD Antibody

Catalog No: #24072

SAB®
Signalway Antibody

Description

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Product Name	SODD Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	DEAE purified
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the amino terminus of human SODD.
Target Name	SODD
Accession No.	Swiss-Prot:O95429Gene ID:9530
Uniprot	O95429
GeneID	9530;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Application Details

Predicted MW: 60 kd

Images
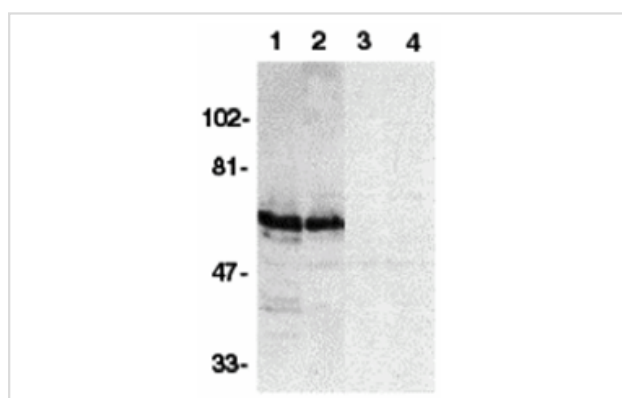
Western blot analysis of SODD in HeLa (1,3) and THP-1 (2,4) whole cell lysates in the absence (1,2) or presence (3,4) of blocking peptide (Catalog no. 2143P) with SODD antibody at 1:500 dilution.
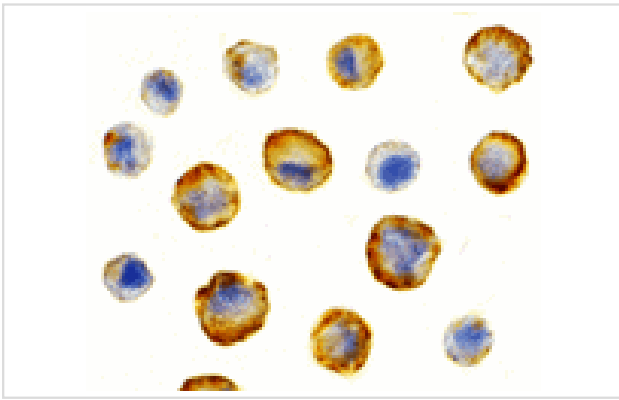
Immunocytochemistry of SODD in HeLa cells with SODD antibody at 5 ug/mL.

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. 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.

Note: This product is for in vitro research use only