



Anti-SODD antibody ab2048

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Overview

Product name	Anti-SODD antibody
Description	Rabbit polyclonal to SODD
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	<p>Synthetic peptide corresponding to Human SODD aa 2-16. Sequence:</p> <p>SALRRSGYGPSDGPSC</p> <p>(Peptide available as ab8382)</p> <p> Run BLAST with  Run BLAST with</p>
Positive control	HeLa whole cell lysate or THP-1 whole cell lysate.
General notes	<p>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 SODDs. 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.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide
Purity	DEAE-Chromatography
Purification notes	SODD Antibody is Antibody is DEAE purified.
Primary antibody notes	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.
Clonality	Polyclonal
Isotype	IgG

Applications

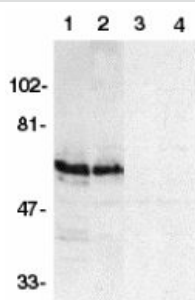
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab2048 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.
WB		1/500 - 1/2000. Detects a band of approximately 60 kDa.

Target

Function	Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release (By similarity). Prevents constitutive TNFRSF1A signaling.
Tissue specificity	Ubiquitous.
Sequence similarities	Contains 1 BAG domain.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-SODD antibody (ab2048)

All lanes : Anti-SODD antibody (ab2048) at 1/500 dilution

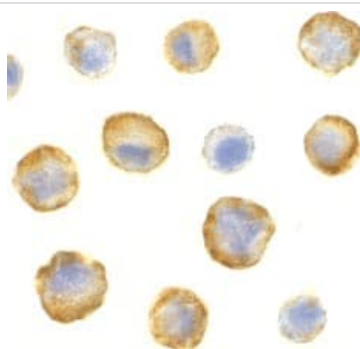
Lane 1 : HeLa whole cell lysate with absence of blocking peptide

Lane 2 : THP-1 whole cell lysate with absence of blocking peptide

Lane 3 : HeLa whole cell lysate with SODD peptide ([ab8382](#))

Lane 4 : THP-1 whole cell lysate with SODD peptide ([ab8382](#))

Observed band size: 60 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SODD antibody (ab2048)

ab2048 at 5µg/ml staining SODD in Hela cells by ICC/IF

Immunocytochemistry/ Immunofluorescence - Anti-SODD antibody (ab2048)

Immunofluorescence of SODD in Hela cells using ab2048 at 20 µg/ml.

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