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Datasheet for ABIN1400227
anti-RSAD2 antibody (Biotin)

Overview

Quantity:	100 µL
Target:	RSAD2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RSAD2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Viperin/RSAD2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	RSAD2
Alternative Name:	Viperin (RSAD2 Products)
Background:	Synonyms: endoplasmic reticulum-associated, interferon-inducible, cig 33, CIG 5, cig-33, CIG-5, CIG33, CIG5, Cytomegalovirus induced gene 5 protein, Cytomegalovirus-induced gene 5 protein, Radical S-adenosyl methionine domain-containing protein 2, RSAD 2, Rsad2, RSAD2_HUMAN, RSDA-2, VIG 1, vig1, Viperin, Virus inhibitory protein, virus inhibitory protein endoplasmic

Target Details

reticulum associated interferon inducible.

Background: RSAD2 is a 361 amino acid protein that is involved in antiviral defense against pathogens such as Hep C, Cytomegalovirus and HIV-1. Localized to the cytosolic side of the endoplasmic reticulum and relocated to the Golgi apparatus upon viral infection, RSAD2 is thought to prevent viral budding by disrupting lipid rafts at the plasma membrane and supporting the Interferon-induced antiviral state of the cell. Additionally, RSAD2 can bind to and inactivate FDPS (an enzyme that is crucial for the synthesis of cholesterol and geranylated and farnesylated proteins), thereby playing a role in lipid synthesis. Overexpression of RSAD2 leads to abnormal lipid accumulation that is associated with atherosclerosis, a chronic inflammatory disease characterized by hardened arteries.

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months