Datasheet for ABIN7161849

anti-NUPR1 antibody (AA 2-64) (Biotin)

Overview

Quantity:	100 µg
Target:	NUPR1
Binding Specificity:	AA 2-64
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUPR1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Nuclear protein 1 protein (2-64AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NUPR1
Alternative Name:	NUPR1 (NUPR1 Products)
Background:	Background: Chromatin-binding protein that converts stress signals into a program of gene expression that empowers cells with resistance to the stress induced by a change in their

Target Details

microenvironment. Interacts with MSL1 and inhibits its activity on histone H4 \'Lys-16\' acetylation (H4K16ac). Binds the RELB promoter and activates its transcription, leading to the transactivation of IER3. The NUPR1/RELB/IER3 survival pathway may provide pancreatic ductal adenocarcinoma with remarkable resistance to cell stress, such as starvation or gemcitabine treatment. In breast cancer cells, NUPR1 overexpression leads to the activation of PI3K/AKT signaling pathway, CDKN1A/p21 phosphorylation and relocalization from the nucleus to the cytoplasm, leading to resistance to chemotherapeutic agents, such as doxorubicin.

Aliases: Candidate of metastasis 1 antibody, COM1 antibody, Nuclear protein 1 antibody, Nupr1 antibody, NUPR1_HUMAN antibody, p8 protein antibody, Protein p8 antibody

UniProt:	O60356

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.