

SIRT2 (8V8) Rabbit Monoclonal Antibody

Catalog# HZ-YMA01763

Product information

产品货号	HZ-YMA01763
别名	FLJ35621;FLJ37491;NAD dependent deacetylase sirtuin 2;NAD-dependent deacetylase sirtuin-2;NAD-dependent protein deacetylase sirtuin-2;Regulatory protein SIR2 homolog 2;Silencing information regulator 2 like;Silent information regulator 2;Silent mating type information regulation 2;Silent mating type information regulation 2 homolog;SIR 2;SIR2;SIR2 like;SIR2 like protein 2;Sir2 related protein type 2;SIR2,S. cerevisiae,homolog-loke 2;SIR2-like protein 2;SIR2L;SIR2L2;SIRT 2;SIRT2;SIRT2_HUMAN;Sirtuin;silent mating type information regulation 2 homolog;2;S.cerevisiae;Sirtuin 2;Sirtuin type 2;Sirtuin2.
产品名称	SIRT2 (8V8) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	SIRT2
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,IP,ELISA
反应种属	Human,Mouse,Rat
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	22933
Human Swissprot No.	Q8IXJ6
稀释度	WB 1:2000-1:10000;IF-P/IF-F/IF-ICC 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200
参考分子量	39kDa
预测分子量	34kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa
背景介绍	This gene encodes a member of the sirtuin family of proteins , homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however , yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Several transcript variants are resulted from alternative splicing of this gene. [provided by RefSeq , Jul 2010] ,

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Product information

细胞定位	Nucleus . Cytoplasm , perinuclear region . Cytoplasm . Cytoplasm , cytoskeleton . Cytoplasm , cytoskeleton , microtubule organizing center , centrosome . Cytoplasm , cytoskeleton , microtubule organizing center , centrosome , centriole . Cytoplasm , cytoskeleton , spindle . Midbody . Chromosome . Perikaryon . Cell projection . Cell projection , growth cone . Myelin membrane . Localizes in the cytoplasm during most of the cell cycle except in the G2/M transition and during mitosis , where it is localized in association with chromatin and induces deacetylation of histone at 'Lys-16' (H4K16ac) (PubMed:17726514 , PubMed:23468428) . Colocalizes with KMT5A at mitotic foci (PubMed:23468428) . Colocalizes with CDK1 at centrosome during prophase and spindle fibers during metaphase (PubMed:17488717) . Colocalizes with Aurora kinase AURKA at centrosome during early prophase and in the centrioles and growing mitotic spindle throughout metaphase (PubMed:17488717) . Colocalizes with Aurora kinase AURKB during cytokinesis with the midbody (PubMed:17488717) . Colocalizes with microtubules (PubMed:12620231) . Detected in perinuclear foci that may be aggresomes containing misfolded , ubiquitinated proteins (By similarity) . Shuttles between the cytoplasm and the nucleus through the CRM1 export pathway (PubMed:17726514) . Colocalizes with EP300 in the nucleus (PubMed:24177535) . Translocates to the nucleus and chromatin upon bacterium <i>Listeria monocytogenes</i> infection in interphase cells (PubMed:23908241) . Deacetylates FOXO3 in the cytoplasm (By similarity) . Colocalizes with PLP1 in internodal regions , at paranodal axoglial junction and Schmidt-Lanterman incisures of myelin sheath (By similarity) . Colocalizes with CDK5R1 in the perikaryon , neurites and growth cone of hippocampal neurons (By similarity) . Colocalizes with alpha-tubulin in neuronal growth cone (By similarity) . Localizes in the cytoplasm and nucleus of germinal vesicle (GV) stage oocytes (By similarity) . Colocalizes with alpha-tubulin on the meiotic spindle as the oocytes enter into metaphase , and also during meiotic anaphase and telophase , especially with the midbody (By similarity) . Colocalizes with PARD3 in internodal region of axons (By similarity) . Colocalizes with acetylated alpha-tubulin in cell projection processes during primary oligodendrocyte precursor (OLP) differentiation (By similarity) . . ; [Isoform 1]: Cytoplasm . Nucleus . Predominantly localized in the cytoplasmic. . ; [Isoform 2]: Cytoplasm . Nucleus . Predominantly localized in the cytoplasmic. . ; [Isoform 5]: Cytoplasm . Nucleus . Predominantly localized in the nucleus. .
纯化	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Clonality	Monoclonal