

Anti-SIN3A Antibody (8K338)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 8K338 |
| Purification: | Affinity-chromatography |

Applications

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| Verified Activity: | 1. Western Blot -Positive WB detected in: K562 whole cell lysate, MCF-7 whole cell lysate -All lanes: mSin3A antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 146 kDa -Observed band size: 146 kDa |
| | 2. IHC image of TMAH-01090 diluted at 1:100 and staining in paraffin-embedded human ovarian cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB. |
| | 3. IHC image of TMAH-01090 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB. |
| | 4. Immunofluorescence staining of HepG2 Cells with TMAH-01090 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L). |
| Application: | ELISA,IF,IHC,WB |
| Recommended | WB:1:500-1:5000; IHC:1:50-1:200; IF:1:20-1:200. |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthetic peptide: Human mSin3A |
| Antigen Species: | Human |
| Gene ID: | 25942 |
| Uniprot ID: | Q96ST3 |
| Synonyms: | Histone deacetylase complex subunit Sin3a;Transcriptional corepressor Sin3a;Paired amphipathic helix protein Sin3a |
| Biology Area: | Epigenetics and Nuclear Signaling, Cancer, Metabolism |

Research Background

Acts as a transcriptional repressor. Corepressor for REST. Interacts with MXI1 to repress MYC responsive genes and antagonize MYC oncogenic activities. Also interacts with MXD1-MAX heterodimers to repress transcription by tethering SIN3A to DNA. Acts cooperatively with OGT to repress transcription in parallel with histone deacetylation. Involved in the control of the circadian rhythms. Required for the transcriptional repression of circadian target genes, such as PER1, mediated by the large PER complex through histone deacetylation. Cooperates with FOXK1 to regulate cell cycle progression probably by repressing cell cycle inhibitor genes expression. Required for cortical neuron differentiation and callosal axon elongation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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