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Datasheet for ABIN2780334 anti-MITF antibody (Middle Region)

2 Images

1 Publication



Overview

| Quantity: | 100 μL |
|----------------------|--|
| Target: | MITF |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow, Sheep, Zebrafish (Danio rerio), Goat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MITF antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human MITF |
|-----------------------|---|
| Sequence: | MGSKLEDILM DDTLSPVGVT DPLLSSVSPG ASKTSSRRSS MSMEETEHTC |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against MITF. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |
| Target Details | |
| Target: | MITF |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN2780334 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

| Alternative Name: | MITF (MITF Products) |
|---|--|
| Background: | MITF is a transcription factor that contains both basic helix-loop-helix and leucine zipper |
| | structural features. It regulates the differentiation and development of melanocytes retinal |
| | pigment epithelium and is also responsible for pigment cell-specific transcription of the |
| | melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory- |
| | pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. |
| | Alternatively spliced transcript variants encoding different isoforms have been identified. This |
| | gene encodes a transcription factor that contains both basic helix-loop-helix and leucine zippe |
| | structural features. It regulates the differentiation and development of melanocytes retinal |
| | pigment epithelium and is also responsible for pigment cell-specific transcription of the |
| | melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory- |
| | pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. |
| | Alternatively spliced transcript variants encoding different isoforms have been identified. |
| | Alias Symbols: WS2A, MI, WS2, bHLHe32 |
| | Protein Interaction Partner: EBP, STUB1, HK3, EPAS1, LEF1, APP, HINT1, ELAVL1, CDK2, |
| | SUMO2, PSMD14, MARK3, PIAS3, PIAS2, PIAS1, SUMO1, UBE2I, PAX3, OTX2, PAX6, PATZ1, |
| | GSK3B, TFEC, EP300, RPS6KA1, TFEB, MAPK14, TFE3, MAPK1, SPI1, FOS, CTNNB1, CDKN1A, |
| | RB1, |
| | Protein Size: 419 |
| Molecular Weight: | 47 kDa |
| Gene ID: | 4286 |
| NCBI Accession: | NM_000248, NP_000239 |
| Pathways: | Chromatin Binding |
| | |
| Application Details | |
| Application Details | Optimal working dilutions should be determined experimentally by the investigator. |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. Antigen size: 419 AA |
| | |
| Application Notes: Comment: | Antigen size: 419 AA |
| Application Notes: Comment: Restrictions: | Antigen size: 419 AA |

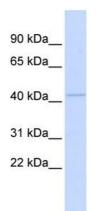
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN2780334 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Handling

| Buffer: | Liquid. Purified antibody supplied in $1x$ PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
|--------------------|---|
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Publications | |
| Product cited in: | Ursini, Cavalleri, Fazio, Angrisano, Iacovelli, Porcelli, Maddalena, Punzi, Mancini, Gelao, Romano, |
| | Masellis, Calabrese, Rampino, Taurisano, Di Giorgio, Keller, Tarantini, Sinibaldi, Quarto et al.: " |
| | BDNF rs6265 methylation and genotype interact on risk for schizophrenia" in: Epigenetics, |

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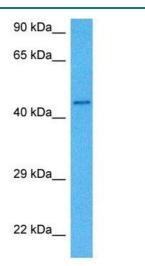
Images



Western Blotting

Image 1. WB Suggested Anti-MITF Antibody Titration: 0.2-1 ug/ml Positive Control: Hela cell lysate MITF is supported by BioGPS gene expression data to be expressed in HeLa

Images



Western Blotting

Image 2. Host: Mouse Target Name: MITF Sample Tissue:

Mouse Liver Antibody Dilution: 1ug/ml

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