

Product datasheet

Anti-c-Maf antibody ab55502

画像数 1

製品の概要

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| 製品名 | Anti-c-Maf antibody |
| 製品の詳細 | Mouse monoclonal to c-Maf |
| 由来種 | Mouse |
| アプリケーション | 適用あり: WB |
| 種交差性 | 交差種: Recombinant fragment 交差が予測される動物種: Human |
| 免疫原 | Recombinant fragment: SCRFRVQQR HVLESEKNQL LQQVDHLKQE ISRLVRERDA YKEKYEKLVSGFRENGSSS DNPSSPEFFI TEPTRKLEPS VGYATFWKPKQ HRVLTSVFTK , corresponding to amino acids 304-404 of Human c-Maf Run BLAST with ExPASy Run BLAST with NCBI |

製品の特性

| | |
|--------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| バッファー | Preservative: None PBS, pH 7.2 |
| 精製度 | Protein G purified |
| ポリモノ | モノクローナル |
| アイソタイプ | IgG2b |
| 軽鎖の種類 | kappa |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab55502** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|--|
| WB | | <p>Use a concentration of 1 - 5 µg/ml.</p> <p>This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.</p> |

ターゲット情報

機能

Acts as a transcriptional activator or repressor. Involved in embryonic lens fiber cell development. Recruits the transcriptional coactivators CREBBP and/or EP300 to crystallin promoters leading to up-regulation of crystallin gene during lens fiber cell differentiation. Activates the expression of IL4 in T helper 2 (Th2) cells. Increases T cell susceptibility to apoptosis by interacting with MYB and decreasing BCL2 expression. Together with PAX6, transactivates strongly the glucagon gene promoter through the G1 element. Activates transcription of the CD13 proximal promoter in endothelial cells. Represses transcription of the CD13 promoter in early stages of myelopoiesis by affecting the ETS1 and MYB cooperative interaction. Involved in the initial chondrocyte terminal differentiation and the disappearance of hypertrophic chondrocytes during endochondral bone development. Binds to the sequence 5'-[GT]G[GC]N[GT]NCTCAGNN-3' in the L7 promoter. Binds to the T-MARE (Maf response element) sites of lens-specific alpha- and beta-crystallin gene promoters. Binds element G1 on the glucagon promoter. Binds an AT-rich region adjacent to the TGC motif (atypical Maf response element) in the CD13 proximal promoter in endothelial cells (By similarity). When overexpressed, represses anti-oxidant response element (ARE)-mediated transcription. Involved either as an oncogene or as a tumor suppressor, depending on the cell context. Binds to the ARE sites of detoxifying enzyme gene promoters.

組織特異性

Expressed in endothelial cells.

関連疾患

Note=A chromosomal aberration involving MAF is found in some forms of multiple myeloma (MM). Translocation t(14;16)(q32.3;q23) with an IgH locus.

Defects in MAF are the cause of cataract pulverulent juvenile-onset MAF-related (CAPJOM) [MIM:610202]. A form of cataract with nuclear or cortical pulverulent opacities. Pulverulent cataracts are characterized by a dust-like, 'pulverised' appearance of the opacities which can be found in any part of the lens. The phenotype shows significant intra- and interfamilial variation, both in the distribution of the cataract and the degree of opacification. Some patients with cataract pulverulent juvenile-onset can present microcornea and bilateral iris colobomas in addition to cataract.

Defects in MAF are the cause of cataract congenital cerulean type 4 (CCA4) [MIM:610202]. A cerulean form of congenital cataract. Cerulean cataracts are characterized by peripheral bluish and white opacifications organized in concentric layers with occasional central lesions arranged radially. The opacities are observed in the superficial layers of the fetal nucleus as well as the adult nucleus of the lens. Involvement is usually bilateral. Visual acuity is only mildly reduced in childhood. In adulthood, the opacifications may progress, making lens extraction necessary. Histologically the lesions are described as fusiform cavities between lens fibers which contain a deeply staining granular material. Although the lesions may take on various colors, a dull blue is the most common appearance and is responsible for the designation cerulean cataract.

配列類似性

Belongs to the bZIP family. Maf subfamily.
Contains 1 bZIP domain.

翻訳後修飾

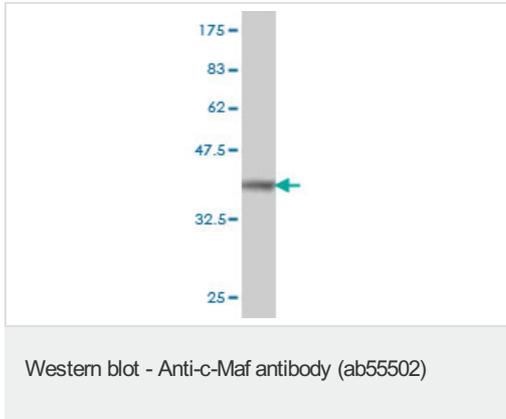
Ubiquitinated, leading to its degradation by the proteasome. Ubiquitination is triggered by glucocorticoids.
Phosphorylated by GSK3 and MAPK13 on serine and threonine residues (Probable). The

phosphorylation status can serve to either stimulate or inhibit transcription.

細胞内局在

Nucleus.

画像



Western blot against tagged recombinant protein immunogen using ab55502 c-Maf antibody at 1ug/ml. Predicted band size of immunogen is 37 kDa.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

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