

Product datasheet

Anti-MAK antibody ab55453

画像数 1

製品の概要

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| 製品名 | Anti-MAK antibody |
| 製品の詳細 | Mouse monoclonal to MAK |
| 由来種 | Mouse |
| アプリケーション | 適用あり: WB |
| 種交差性 | 交差種: Human |
| 免疫原 | Recombinant fragment: PPKQQSQEKP PQLFPSIVK NMPTKPNGTL SHKSGRRRWG QTIFKSGDSW EELEDYDFGA SHSKKPSMGV FKEKRKKDSP FRQQVKMAVI SLSAHQFPTL , corresponding to amino acids 358-457 of Human MAK Run BLAST with ExPASy Run BLAST with NCBI |

製品の特性

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| 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 | IgG2a |
| 軽鎖の種類 | kappa |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab55453** in the following tested applications.

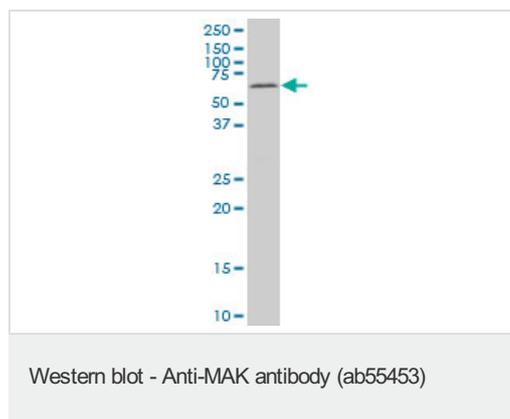
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| WB | | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 71 kDa. |

ターゲット情報

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| 機能 | Essential for the regulation of ciliary length and required for the long-term survival of photoreceptors (By similarity). Phosphorylates FZR1 in a cell cycle-dependent manner. Plays a role in the transcriptional coactivation of AR. Could play an important function in spermatogenesis. May play a role in chromosomal stability in prostate cancer cells. |
| 組織特異性 | Expressed in prostate cancer cell lines at generally higher levels than in normal prostate epithelial cell lines. Isoform 1 is expressed in kidney, testis, lung, trachea, and retina. Isoform 2 is retina-specific where it is expressed in rod and cone photoreceptors. |
| 関連疾患 | Defects in MAK are the cause of retinitis pigmentosa type 62 (RP62) [MIM:614181]. RP62 is a retinal dystrophy belonging to the group of pigmentary retinopathies. Retinitis pigmentosa is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. |
| 配列類似性 | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain. |
| 翻訳後修飾 | Autophosphorylated. Phosphorylated on serine and threonine residues. |
| 細胞内局在 | Nucleus. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > spindle. Midbody. Cell projection > cilium > photoreceptor outer segment. Photoreceptor inner segment. Localized in both the connecting cilia and the outer segment axonemes (By similarity). Localized uniformly in nuclei during interphase, to the mitotic spindle and centrosomes during metaphase and anaphase, and also to midbody at anaphase until telophase. |

画像



MAK antibody (ab55453) at 1ug/lane +
HepG2 cell lysate at 25ug/lane.

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