# KLF10 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | KLF10, Monoclonal Antibody |
| **Full Product Name** | KLF10 (Kruppel-like Factor 10, EGRA, TIEG, TIEG1) (MaxLight 650) |
| **Product Gene Name** | anti-KLF10 antibody |
| **Product Synonym Names** | Kruppel-like Factor 10; EGRA; TIEG; TIEG1 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 20000000 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650. |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes KLF10. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Immunogen** | KLF10 (AAH11538.1, 111aa-210aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | LSDTAKPHIAAPFKEEEKSPVSAPKLPKAQATSVIRHTADAQLCNHQTCPMKAASILNYQNNSFRRRTHLNVEAARKNIPCAAVSPNRSKCERNTVADVD |
| **Conjugate** | MaxLight650 |
| **Product Categories/Family for anti-KLF10 antibody** | Antibodies; Transcription Factors |
| **Applications Tested/Suitable for anti-KLF10 antibody** | Western Blot (WB) |
| **Application Notes for anti-KLF10 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-KLF10 antibody** | MBS6228425 is an antibody targeting KLF10. Also known as KLF10 (Kruppel-like Factor 10, EGRA, TIEG, TIEG1) (MaxLight 650). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant KLF10. |
| **Other Notes** | Small volumes of anti-KLF10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLF10. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15079389 |
| **NCBI GeneID** | 7071 |
| **NCBI Accession #** | AAH11538.1 |
| **UniProt Related Accession #** | Q13118 |
| **NCBI Official Full Name** | Kruppel-like factor 10 |
| **NCBI Official Synonym Full Names** | Kruppel like factor 10 |
| **NCBI Official Symbol** | KLF10 |
| **NCBI Official Synonym Symbols** | EGRA; TIEG; TIEG1; EGR-alpha |
| **Protein Family** | Krueppel-like factor |
| **NCBI Protein Information** | Krueppel-like factor 10 |
| **NCBI Summary for KLF10** | This gene encodes a member of a family of proteins that feature C2H2-type zinc finger domains. The encoded protein is a transcriptional repressor that acts as an effector of transforming growth factor beta signaling. Activity of this protein may inhibit the growth of cancers, particularly pancreatic cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013] |
| **Research Articles on KLF10** | **1.** study illustrated a novel signaling cascade of LINC00641/miR-197-3p/KLF10/PTEN/PI3K/AKT pathway regulating bladder cancer development |
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