

MAF Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MAF.

Catalog # AT2760a

Specification

MAF Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O75444
Other Accession	NM_005360
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	38492

MAF Antibody (monoclonal) (M01) - Additional Information

Gene ID 4094

Other Names

Transcription factor Maf, Proto-oncogene c-Maf, V-maf musculoaponeurotic fibrosarcoma oncogene homolog, MAF

Target/Specificity

MAF (NP_005351, 304 a.a. ~ 403 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

MAF Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

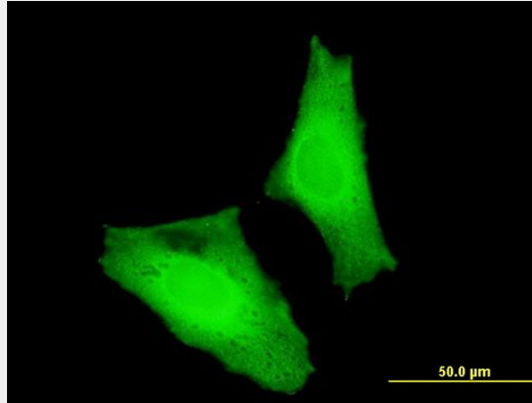
MAF Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

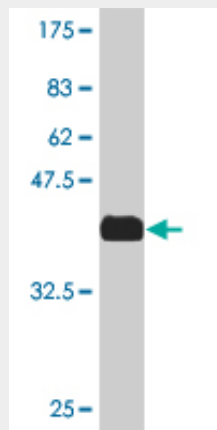
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

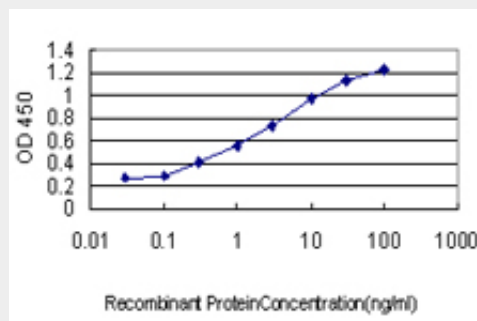
MAF Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to MAF on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged MAF is approximately 0.1ng/ml as a capture antibody.

MAF Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a DNA-binding, leucine zipper-containing transcription factor that acts as a homodimer or as a heterodimer. Depending on the binding site and binding partner, the encoded protein can be a transcriptional activator or repressor. This protein plays a role in the regulation of several cellular processes, including embryonic lens fiber cell development, increased T-cell susceptibility to apoptosis, and chondrocyte terminal differentiation. Defects in this gene are a cause of juvenile-onset pulverulent cataract as well as congenital cerulean cataract 4 (CCA4). Two transcript variants encoding different isoforms have been found for this gene.

MAF Antibody (monoclonal) (M01) - References

Genetic variants that affect length/height in infancy/early childhood in Vietnamese-Korean families. Kim HN, et al. *J Hum Genet*, 2010 Jul 29. PMID 20668459. Evaluating the discriminative power of multi-trait genetic risk scores for type 2 diabetes in a northern Swedish population. Fontaine-Bisson B, et al. *Diabetologia*, 2010 Oct. PMID 20571754. SUMOylation attenuates c-Maf-dependent IL-4 expression. Lin BS, et al. *Eur J Immunol*, 2010 Apr. PMID 20127678. KSHV-encoded miRNAs target MAF to induce endothelial cell reprogramming. Hansen A, et al. *Genes Dev*, 2010 Jan 15. PMID 20080955. Transcriptional activation of human MMP-13 gene expression by c-Maf in osteoarthritic chondrocyte. Li T, et al. *Connect Tissue Res*, 2010. PMID 20067416.