10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAF Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MAF.
Catalog # AT2760a

Specification

MAF Antibody (monoclonal) (M01) - Product Information

Application	**WB, IF, 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
IF~~1:50~200
E~~N/A

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

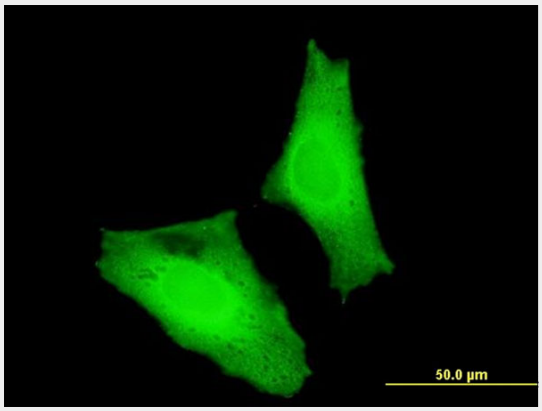
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

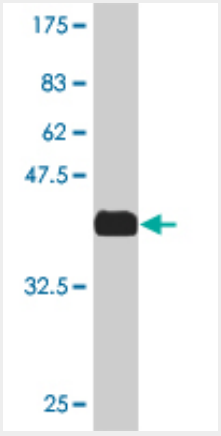
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

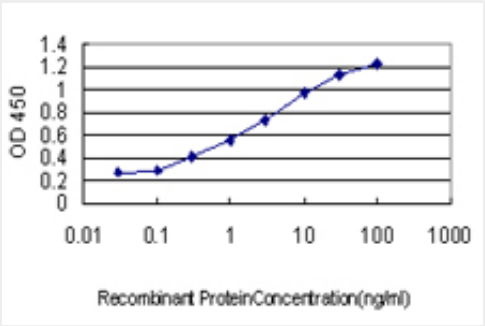
MAF Antibody (monoclonal) (M01) - Images



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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.