

# KLF12 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant KLF12.

Catalog # AT2630a

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9Y4X4</a>
<b>Other Accession</b>	<a href="#">NM_007249</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	3E5
<b>Calculated MW</b>	44240

## Additional Information

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<b>Gene ID</b>	11278
<b>Other Names</b>	Krueppel-like factor 12, Transcriptional repressor AP-2rep, KLF12, AP2REP
<b>Target/Specificity</b>	KLF12 (NP_009180, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	KLF12 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. The protein encoded by this gene is a member of the Kruppel-like zinc finger protein family and can repress expression of the AP-2 alpha gene by binding to a specific site in the AP-2 alpha gene promoter. Repression by the encoded protein requires binding with a corepressor, CtBP1. Two transcript variants encoding different isoforms have been found for this gene.

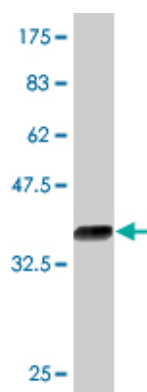
## References

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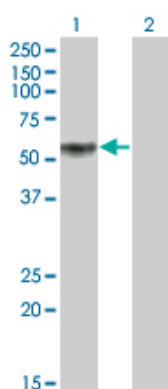
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype

score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. A genome-wide association study identifies pancreatic cancer susceptibility loci on chromosomes 13q22.1, 1q32.1 and 5p15.33. Petersen GM, et al. Nat Genet, 2010 Mar. PMID 20101243. A functionally relevant IRF5 haplotype is associated with reduced risk to Wegener's granulomatosis. Wieczorek S, et al. J Mol Med, 2010 Apr. PMID 20049410. No evidence for association of the KLF12 gene with rheumatoid arthritis in a large UK cohort. Eyre S, et al. Ann Rheum Dis, 2010 Jul. PMID 19907058. Kr?ppel-like factor 12 plays a significant role in poorly differentiated gastric cancer progression. Nakamura Y, et al. Int J Cancer, 2009 Oct 15. PMID 19588488.

## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .



Western Blot analysis of KLF12 expression in transfected 293T cell line by KLF12 monoclonal antibody (M01), clone 3E4.

Lane 1: KLF12 transfected lysate (44.2 KDa).  
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.