

Rabbit MAFK Polyclonal Antibody | anti-MAFK antibody

MAFK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329052	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(88%), Bovine(100%), Dog(100%), Chicken(100%)	ELISA

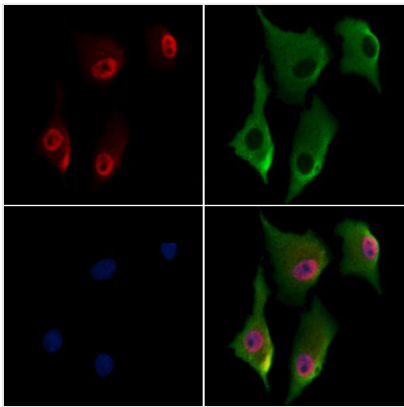
PRODUCT SYNONYMS

MAFK; Polyclonal Antibody; MAFK Antibody; Erythroid transcription factor NF E2 p18 subunit; Erythroid transcription factor NF-E2 p18 subunit; FLJ32205; MAFK_HUMAN; MGC71717; Nfe2u; P18; Transcription factor MafK; V maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian); anti-MAFK antibody

PRODUCT SPECIFICATIONS

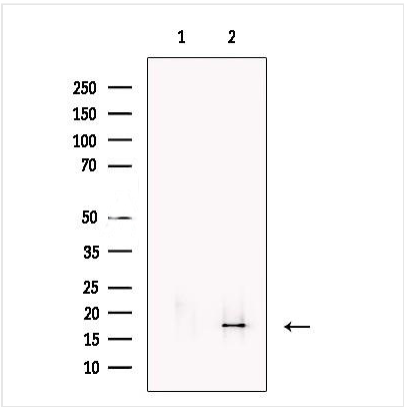
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(88%), Bovine(100%), Dog(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	MAFK Antibody detects endogenous levels of total MAFK.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	156
Applicable Applications for anti-MAFK antibody	ELISA
Immunogen	A synthesized peptide derived from human MAFK, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329052 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329052) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from A431 cells, using MAFK Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MAFK antibody	Function: Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves (PubMed:9150357). However, they act as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2, NFE2L1/NRF1, NFE2L2/NRF2 and NFE2L3/NRF3, and recruiting them to specific DNA-binding sites (PubMed:9150357, PubMed:8932385). Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NF-E2 transcription factor (PubMed:9150357).
	Subcellular Location: Nucleus.
	Subunit Structure: Homodimer or heterodimer. It can form high affinity heterodimers with members of the CNC-bZIP family such as NFE2, NFE2L1/NRF1, NFE2L2/NRF2 and NFE2L3/NRF3 (PubMed:9150357, PubMed:8932385).
	Similarity: Belongs to the bZIP family. Maf subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505075
NCBI GeneID	7975
NCBI Accession #	NP_002351.1
NCBI GenBank Nucleotide #	NP_002351.1
UniProt Accession #	O60675
Molecular Weight	Observed Molecular Weight: (Observed)17kD. Predicted Molecular Weight: (Calculated)18kDa.
NCBI Official Full Name	transcription factor MafK
NCBI Official Synonym Full Names	MAF bZIP transcription factor K
NCBI Official Symbol	MAFK
NCBI Official Synonym Symbols	P18; NFE2U
NCBI Protein Information	transcription factor MafK
UniProt Protein Name	Transcription factor MafK

UniProt Gene Name	MAFK
UniProt Entry Name	MAFK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mafk-antibody-elisa/329052>