Datasheet for ABIN2783019

anti-MAFK antibody (N-Term)

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1 Image

Overview

Quantity:	100 µL
Target:	MAFK
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Zebrafish (Danio rerio), Dog, Horse, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAFK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MAFK
Sequence:	KEAGENAPVL SDDELVSMSV RELNQHLRGL TKEEVTRLKQ RRRTLKNRGY
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 79%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against MAFK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	MAFK

Target Details

Alternative Name:	MAFK (MAFK Products)
Background:	The developmentally regulated expression of the globin genes depends on upstream regulatory elements termed locus control regions (LCRs). LCRs are associated with powerful enhancer activity that is mediated by the transcription factor NFE2. NFE2 recognition sites are also present in the gene promoters of 2 heme biosynthetic enzymes, PBGD and FECH. NFE2 DNA-binding activity consists of a heterodimer containing an 18-kD Maf protein (MafF, MafG, or MafK) and p45. Both subunits are members of the activator protein-1 superfamily of bZIP proteins. Maf homodimers suppress transcription at NFE2 sites.The developmentally regulated expression of the globin genes depends on upstream regulatory elements termed locus control regions (LCRs). LCRs are associated with powerful enhancer activity that is mediated by the transcription factor NFE2 (nuclear factor erythroid-2). NFE2 recognition sites are also present in the gene promoters of 2 heme biosynthetic enzymes, porphobilinogen deaminase (PBGD, MIM 176000) and ferrochelatase (FECH, MIM 177000). NFE2 DNA-binding activity consists of a heterodimer containing an 18-kD Maf protein (MafF, MafG (MIM 602020), or MafK) and p45 (MIM 601490). Both subunits are members of the activator protein-1 superfamily of basic leucine zipper (bZIP) proteins (see MIM 165160). Maf homodimers suppress transcription at NFE2 sites.[supplied by OMIM]. Alias Symbols: FLJ32205, MGC71717, NFE2U, P18 Protein Interaction Partner: NFE2L2, SMAD3, PARP1, HIF1A, UBC, SUMO2, Bach1, HDAC3, HDAC2, HDAC1, CREBBP, RELA, KAT6A, TP53, BACH2, NFE2L3, NFE2, MARS, MAFK, NFE2L1, HOXD12, Protein Size: 156
Molecular Weight:	17 kDa
Gene ID:	7975
NCBI Accession:	NM_002360, NP_002351
UniProt:	O60675

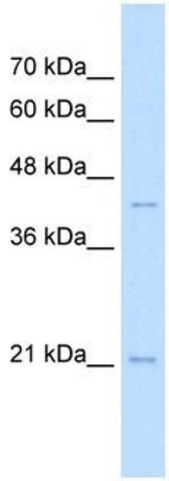
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 156 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MAFK Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate