

MAD3 Rabbit pAb

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Catalog # AP57177

Product Information

Application	WB
Primary Accession	Q9BW11
Reactivity	Mouse
Predicted	Rat, Pig, Cat, Dog, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23477
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MAD3
Epitope Specificity	101-200/206
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. The encoded protein forms a heterodimer with the cofactor MAX which binds specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disruption of the MAX-MXD3 complex is associated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of this gene encoding different isoforms have been described.[provided by RefSeq, Dec 2008]

Additional Information

Gene ID	83463
Other Names	Max dimerization protein 3, Max dimerizer 3, Class C basic helix-loop-helix protein 13, bHLHc13, Max-associated protein 3, Max-interacting transcriptional repressor MAD3, Myx, MXD3, BHLHC13, MAD3
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

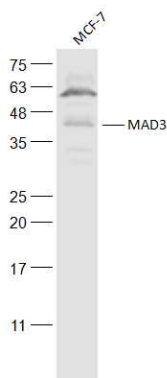
Protein Information

Name	MXD3
Synonyms	BHLHC13, MAD3
Function	Transcriptional repressor. Binds with MAX to form a sequence- specific DNA-binding protein complex which recognizes the core sequence 5'-CAC[GA]TG-3'. Antagonizes MYC transcriptional activity by competing for MAX and suppresses MYC dependent cell transformation (By similarity).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00981}.

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Images



Sample:
MCF-7(Mouse) Cell Lysate at 30 ug
Primary: Anti-MAD3(AP57177) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 23 kD
Observed band size: 42 kD

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