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Anti-MXD4 Antibody

Catalog # AP54092

Product Information

Application	WB, IHC
Primary Accession	Q14582
Reactivity	Human, Mouse, Rat, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23528

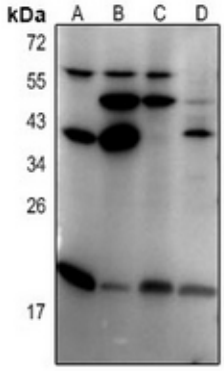
Additional Information

Gene ID	10608
Other Names	BHLHC12; MAD4; Max dimerization protein 4; Max dimerizer 4; Class C basic helix-loop-helix protein 12; bHLHc12; Max-associated protein 4; Max-interacting transcriptional repressor MAD4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MXD4. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

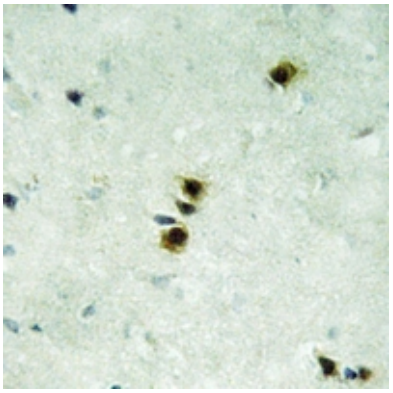
Protein Information

Name	MXD4
Synonyms	BHLHC12, MAD4
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}.

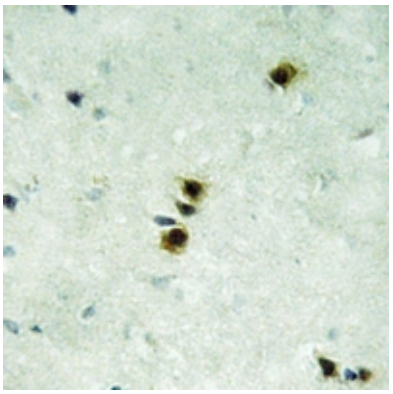
Images



Western blot analysis of MXD4 expression in NIHC3T3 (A), PMVEC (B), Hela (C), A375 (D) whole cell lysates.
(Predicted band size: 23 kD; Observed band size: 19 kD)



Immunohistochemical analysis of MXD4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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