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Rabbit Anti-NAB2 antibody

SL11299R

Product Name:	NAB2
Chinese Name:	EGR1Binding protein2抗体
Alias:	EGR 1 binding protein 2; EGR-1-binding protein 2; EGR1 binding protein 2; MADER; Melanoma associated delayed early response protein; Melanoma-associated delayed early response protein; MGC75085; Nab 2; nab2; NAB2_HUMAN; NGFI A binding protein 2 (EGR1 binding protein 2); NGFI A binding protein 2; NGFI-A-binding protein 2; Protein MADER.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MCM5:221-320/525
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Transcriptional control is in part regulated by interactions between DNA-bound transcription factors, such as Egr-1/NGFI-A, and coregulatory proteins, such as NAB (for NGFI-A-binding proteins). The evolutionarily conserved NAB proteins, NAB1 and NAB2 are corepressors of EGF-1/NGFI-A. Both NAB1 and NAB2 contain an amino

terminal NAB conserved domain 1 (NCB1), which is required for binding NGFI-A, and a carboxy terminal NCD2 domain, which is responsible for the repressor function of NAB proteins. NAB2 is principally localized in the nucleus and may play a role in the downregulation of NGFI-A activity as well as in controlling fundamental processes such as cell division, differentiation and apoptosis. NAB2 localizes to chromosome 12q13.3-14.1, a region that is rearranged in several solid tumors, lipomas, and liposarcomas.

Function:
Acts as a transcriptional repressor for zinc finger transcription factors EGR1 and EGR2. Isoform 2 lacks repression ability.

Subunit:
Homomultimers may associate with EGR1 bound to DNA (By similarity).

Subcellular Location:
Nucleus. Isoform 2 is not localized to the nucleus.

Tissue Specificity:
Widely expressed at low levels. Highly expressed in melanoma cell lines.

Post-translational modifications:
Sumoylation by EGR2 represses EGR2 transcriptional activity in hindbrain.

Similarity:
Belongs to the NAB family.

SWISS:
Q15742

Gene ID:
4665

Database links:
Entrez Gene: 4665 Human

Entrez Gene: 17937 Mouse

Omim: 602381 Human

SwissProt: Q15742 Human

SwissProt: Q61127 Mouse

Unigene: 159223 Human

Unigene: 336898 Mouse

	Unigene: 470656 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.