

**Product Name: NAB2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab14386**



## Summary

<b>Production Name</b>	NAB2 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC, WB,
<b>Reactivity</b>	Human, Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	NAB2
<b>Alternative Names</b>	NAB2; MADER; NGFI-A-binding protein 2; EGR-1-binding protein 2; Melanoma-associated delayed early response protein; Protein MADER
<b>Gene ID</b>	4665.0
<b>SwissProt ID</b>	Q15742. The antiserum was produced against synthesized peptide derived from human NAB2. AA range: 261-310

## Application

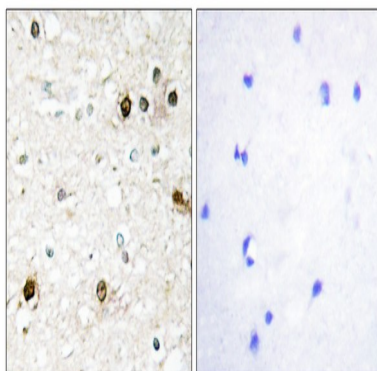
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000..
<b>Molecular Weight</b>	56kD

## Background

This gene encodes a member of the family of NGFI-A binding (NAB) proteins, which function in the nucleus to repress transcription induced by some members of the EGR (early growth response) family of transactivators. NAB proteins can homo- or hetero-multimerize with other EGR or NAB proteins through a conserved N-terminal domain, and repress transcription through two partially redundant C-terminal domains. Transcriptional repression by the encoded protein is mediated in part by interactions with the nucleosome remodeling and deacetylase (NuRD) complex. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008],domain:The NAB conserved domain 1 (NCD1) interacts with EGR1 inhibitory domain and mediates multimerization.,domain:The NAB conserved domain 2 (NCD2) is necessary for transcriptional repression.,function:Acts as a transcriptional repressor for zinc finger transcription factors EGR1 and EGR2. Isoform 2 lacks repression ability.,induction:By serum and PMA stimulation.,similarity:Belongs to the NAB family.,subcellular location:Isoform 2 is not localized to the nucleus.,subunit:Homomultimers may associate with EGR1 bound to DNA.,tissue specificity:Widely expressed at low levels. Highly expressed in melanoma cell lines.,

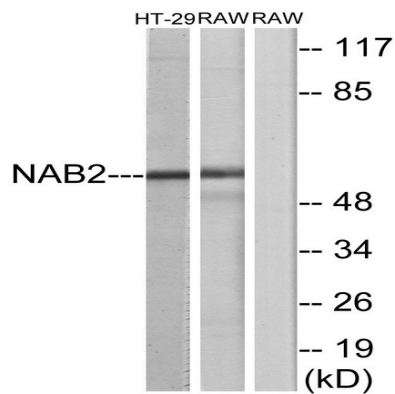
## Research Area

## Image Data

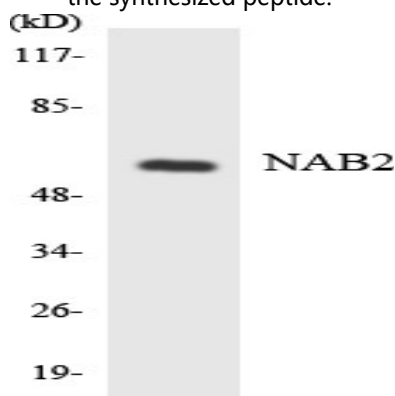


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NAB2 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HT-29 and RAW264.7 cells, using NAB2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using NAB2 antibody.



Western Blot analysis of various cells using NAB2 Polyclonal Antibody diluted at 1: 1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

## Note

For research use only.