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COBRA 1 Antibody
Purified mouse monoclonal antibody
Catalog # AN1191

Specification

COBRA 1 Antibody - Product Information

Application	**WB**
Primary Accession	Q8WX92
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**monoclonal**
Isotype	**IgG1**
Calculated MW	**62 KDa**

COBRA 1 Antibody - Additional Information

Gene ID	**25920**
Gene Name	**COBRA1**

Other Names
Negative elongation factor B, NELF-B, Cofactor of BRCA1, NELFB, COBRA1, KIAA1182

Target/Specificity
Recombinant full length human COBRA1 purified from E. coli .

Dilution
WB~~ 1:1000

Format
Protein G purified culture supernatant

Antibody Specificity
Specific for the ~62k COBRA1 protein in Western blots of neonatal rat brain lysate.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
COBRA 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

COBRA 1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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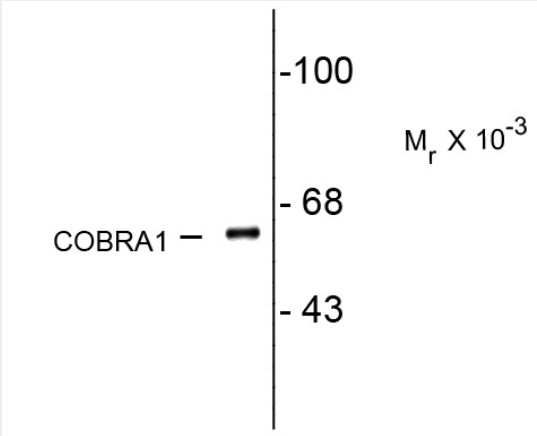
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

COBRA 1 Antibody - Images



Western blot of neonatal rat brain lysate showing specific immunolabelingof the ~ 62K COBRA1 protein.

COBRA 1 Antibody - Background

COBRA1 (cofactor of BRCA1) also known as NELF-B, is an essential component of the negative elongation factor (NELF) complex. COBRA1 has been shown to directly bind estrogen receptor alpha (ERα) and repress ERα-mediated transcription (Aiyar SE et al., 2004). COBRA1 has also been demonstrated to interact with c-Jun and c-Fos suggesting a role in modulation of the AP-1 pathway and therefore may be important in cell proliferation, differentiation, apoptosis and oncogeneis (Zhong H et al., 2004)

COBRA 1 Antibody - References

Aiyar, SE, Sun J, Blair AL, Moskaluk CA, Lu Y, Ye Q, Yamaguchi Y, Mukherjee A, Ren D, Handa H, Li R (2004). Attenuation of estrogen receptor alpha-mediated transcription through estrogen-stimulated recruitment of a negative elongation factor. Genes Dev. 18 (17): 2134–46.
Zhong, H, Zhu J, Zhang H, Ding L, Sun Y, Huang C, Ye Qi (2004). COBRA1 inhibits AP-1 transcriptional activity in transfected cells. Biochem. Biophys. Res. Commun.325 (2): 568–73.