

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

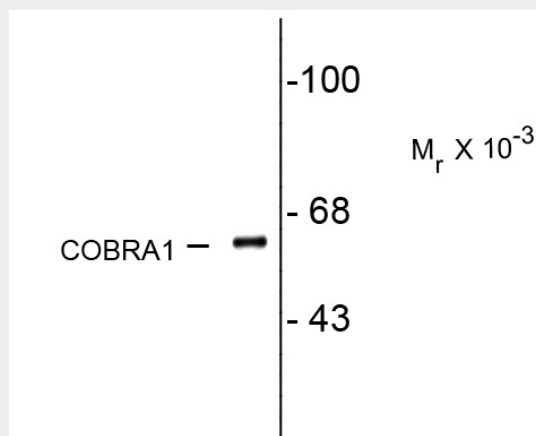
COBRA 1 Antibody - Protocols

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

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COBRA 1 Antibody - Images



Western blot of neonatal rat brain lysate showing specific immunolabeling of 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 (ER α) and repress ER α -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 oncogenesis (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.