

Datasheet for 200-301-D18**COBRA 1 Antibody****Overview**

Description:	Anti-COBRA 1 (NELF-B) (MOUSE) Antibody - 200-301-D18
Item No.:	200-301-D18
Size:	100 µL
Applications:	WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	COBRA 1 antibody reacts with COBRA1 (cofactor of BRCA1) also known as NELF-B, which 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. 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. Anti-COBRA 1 antibody is ideal for investigators involved in Cell Signaling, Neuroscience, Signal Transduction research.
Synonyms:	COBRA1, Negative elongation factor B, NELF-B, Cofactor of BRCA1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	F7E4
Format:	IgG1

Target Details

Gene Name:	NELFB
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-COBRA1 Monoclonal Antibody was produced in mouse by repeated immunizations with recombinant full length human COBRA1 purified from E.coli.

Purity/Specificity:	Anti-COBRA 1 antibody was Protein G purified from culture supernatant. This antibody is directed against human COBRA 1. Reactivity is expected against mouse and rat sources. Cross-reactivity from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8WX92 • GeneID - 25920 • UniProtKB - Q8WX92.1

Application Details

Tested Applications:	WB
Application Note:	Anti-COBRA 1 antibody has been tested by ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 62 kDa in size corresponding to COBRA1 proteins in neonatal rat brain lysate or other appropriate lysates.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1:1000

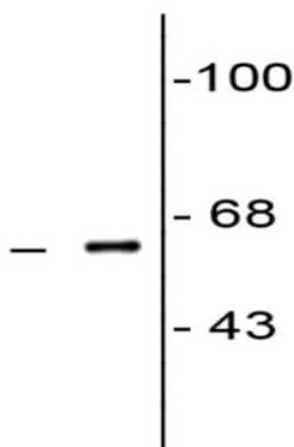
Formulation

Physical State:	Liquid
Concentration:	Titred value sufficient to run approximately 10 mini blots.
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

**Western Blot**

Western Blot of Rabbit Anti-COBRA1 Antibody. Lane 1: neonatal rat brain lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: COBRA1 antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~ 62kDa/~62kDa for COBRA1 protein. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.