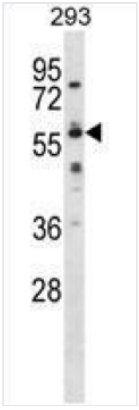
COBRA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COBRA1, Polyclonal Antibody
Full Product Name	COBRA1, ID (COBRA1, KIAA1182, NELFB, Negative elongation factor B, Cofactor of BRCA1) (AP)
Product Gene Name	anti-COBRA1 antibody
Product Synonym Names	COBRA1; KIAA1182; NELFB; Negative elongation factor B; Cofactor of BRCA1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human COBRA1.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	65,697 Da
OMIM	611180
3D Structure	ModBase 3D Structure for Q8WX92
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 256-285 in the central region of human COBRA1. Species sequence homology: mouse
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-COBRA1 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-COBRA1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-COBRA1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-COBRA1 antibody	NELFB is a subunit of negative elongation factor (NELF), which also includes NELFA (WHSC2; MIM 606026), either NELFC or NELFD (TH1L; MIM 605297), and NELFE (RDBP; MIM 154040). NELF acts with DRB sensitivity-inducing factor (DSIF), a heterodimer of SPT4 (SUPT4H1; MIM 603555) and SPT5 (SUPT5H; MIM 602102), to cause transcriptional pausing of RNA polymerase II (see MIM 180660) (Narita et al., 2003 [PubMed 12612062]).
Product References and Citations for anti-COBRA1 antibody	1. Sun, J., et al. J. Cell. Biochem. 103(6):1798-1807(2008). 2. Sun, J., et al. J. Steroid Biochem. Mol. Biol. 107 (3-5), 131-139 (2007). 3. Wu, C., et al. Proteomics 7(11):1775-1785(2007). 4. Narita, T., et al. Mol. Cell 26(3):349-365(2007). 5. Aiyar, S.E., et al. Int. J. Biol. Sci. 3(7):486-492(2007).
Other Notes	Small volumes of anti-COBRA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for COBRA1 purchase	MBS6287471 is an antibody targeting COBRA1. Also known as COBRA1, ID (COBRA1, KIAA1182, NELFB, Negative elongation factor B, Cofactor of BRCA1) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-COBRA1 antibody
Western Blot analysis in 293 cell line lysates (35ug/lane) usingMBS6006204.This demonstrates that MBS6006204 detected the COBRA1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COBRA1. It may not necessarily be applicable to this product.

NCBI GI #	20070260
NCBI GeneID	25920
NCBI Accession #	NP_056271.2
UniProt Primary Accession #	Q8WX92
UniProt Secondary Accession #	Q96EW5; Q9H9R4; Q9ULN8; Q9Y3W0; A2BFA3
UniProt Related Accession #	Q8WX92
GenBank Nucleotide #	NM_015456.3
NCBI Official Full Name	negative elongation factor B
NCBI Official Synonym Full Names	negative elongation factor complex member B
NCBI Official Symbol	NELFB
NCBI Official Synonym Symbols	COBRA1; NELF-B
UniProt Protein Name	Negative elongation factor B
UniProt Synonym Protein Names	Cofactor of BRCA1
UniProt Gene Name	NELFB
UniProt Synonym Gene Names	COBRA1; KIAA1182; NELF-B
UniProt Entry Name	NELFB_HUMAN
NCBI Protein Information	negative elongation factor B; cofactor of BRCA1; negative elongation factor protein B

UniProt Comments for COBRA1	COBRA1: a subunit of the multisubunit transcription elongation factor NELF (negative elongation factor). May be involved in transcriptional pausing of RNA polymerase II (RNAPII). Interacts with the first BRCT repeat of BRCA1. Protein type: Nuclear receptor co-regulator; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 9q34 Cellular Component: nucleoplasm; cytoplasm Molecular Function: protein binding Biological Process: transcription from RNA polymerase II promoter; viral reproduction; positive regulation of viral transcription; RNA elongation from RNA polymerase II promoter; gene expression; negative regulation of transcription, DNA-dependent
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