

Product Data Sheet

Purified anti-CBP

Catalog # / Size: 606401 / 50 µl (5 Western blots)
606402 / 200 µl (20 Western blots)

Clone: Poly6064

Isotype: Rabbit IgG

Immunogen: Recombinant (partial) , N-terminal

Reactivity: Human, Mouse

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CBP (also known as CREB-binding protein and CBP/p300) is a widely expressed nuclear protein that contains a bromodomain, a ZZ-type zinc domain, and TAZ-type zinc fingers. This 265 kD acetyltransferase enzyme, acetylates histones and non-histone proteins like NCOA3 coactivator and mediates c-AMP gene regulating by binding to phosphorylated CREB. CBP and phosphorylated CREB activates transcription of c-AMP responsive genes; defects in CBP result in Rubinstein-Taybi syndrome (mental retardation, craniofacial defects, heart defects). CBP is activated by TCR signaling and is involved in TNF-α gene expression and plays a central role in regulating gene responses to hypoxia. This protein is acetylated at multiple sites. CBP has been shown to interact with NCOA6, androgen receptor, STAT6, SRC1, Csk, FKHR, and c-jun and to form a complex with NCOA2, NCOA3, IKKA, IKKB, and IKBKG. In addition, CBP probably forms a complex with HIF1A and EP300. The Poly6064 antibody has been shown to be useful for Western blotting of the human and mouse CBP protein.

Antigen References:

1. Arany Z, *et al.* 1996. *P. Natl. Acad. Sci. USA* 93:12969.
2. MuRata T, *et al.* 2001. *Hum. Mol. Genet.* 10:1071.
3. Falvo J, *et al.* 2000. *P. Natl. Acad. Sci. USA* 97:3925.

Related Products:

Product

Purified anti-c-Jun

Purified anti-NCOA2/GRIP1

Purified anti-NCOA2/GRIP1

Purified anti-NCOA3/SRC3

Purified anti-NCOA3/SRC3

Purified anti-Androgen Receptor (AR)

HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone

Poly6065

Poly6089

Poly6090

Poly6091

Poly6092

Poly6175

Poly4064

Application

WB

WB

WB

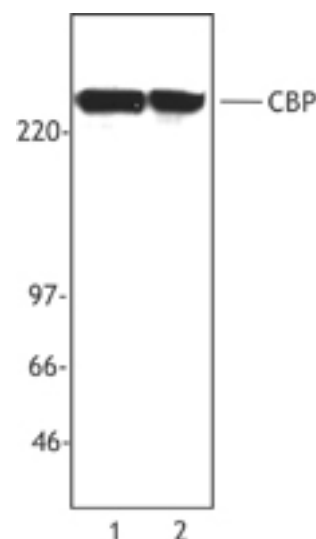
WB

WB

WB

WB

ELISA, IHC, WB



MCF-7 cell extract (Lane 1) or NIH3T3 cell extract (Lane 2) was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit polyclonal antibody against CBP. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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