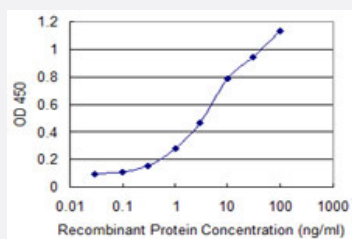


CREBBP monoclonal antibody (M02), clone 2B6

Catalog # H00001387-M02

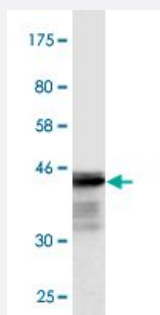
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CREBBP is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CREBBP.

Immunogen

CREBBP (NP_004371, 951 a.a. ~ 1050 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

PVHAQPPGTPLSQAAASIDNRVPTPSSVASAETNSQQPGPDVPVLEMKTETQAEDTEPDGES
KGEPRSEMMEEDLQGASQVKEETDIAEQKSEPMEVDE

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (86); Rat (87)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CREBBP is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CREBBP

Entrez GeneID	1387
GeneBank Accession#	NM_004380
Protein Accession#	NP_004371
Gene Name	CREBBP
Gene Alias	CBP, KAT3A, RSTS
Gene Description	CREB binding protein
Omim ID	180849 600140
Gene Ontology	Hyperlink

Gene Summary

This gene is ubiquitously expressed and is involved in the transcriptional coactivation of many different transcription factors. First isolated as a nuclear protein that binds to cAMP-response element binding protein (CREB), this gene is now known to play critical roles in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. The protein encoded by this gene has intrinsic histone acetyltransferase activity and also acts as a scaffold to stabilize additional protein interactions with the transcription complex. This protein acetylates both histone and non-histone proteins. This protein shares regions of very high sequence similarity with protein p300 in its bromodomain, cysteine-histidine-rich regions, and histone acetyltransferase domain. Mutations in this gene cause Rubinstein-Taybi syndrome (RTS). Chromosomal translocations involving this gene have been associated with acute myeloid leukemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

Rubinstein-Taybi syndrome

Pathway

- [Adherens junction](#)
- [Cell cycle](#)
- [Jak-STAT signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Renal cell carcinoma](#)
- [TGF-beta signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Rubinstein-Taybi Syndrome](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Spinal Dysraphism](#)
- [Weight Gain](#)