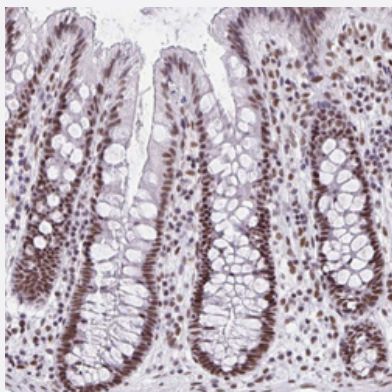


CREBBP polyclonal antibody

Catalog # PAB31061

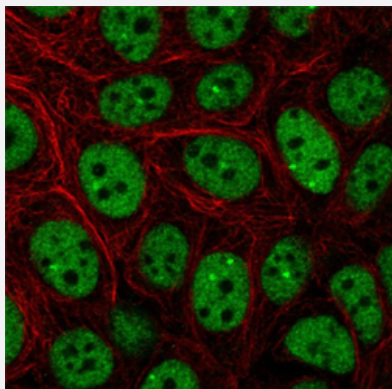
Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon shows strong nuclear positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of MCF7 cell line with antibody shows positivity in nucleoplasm and nuclear bodies (green).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CREBBP.
Immunogen	Recombinant protein corresponding to human CREBBP.
Sequence	VASAETNSQQPGPDVPVLEMKTETQAEDTEPDPGESKGEP RSEMMEEDLQGASQVKEETDIAE QKSEPMEVDE
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon shows strong nuclear positivity in glandular cells.

- Immunofluorescence

Immunofluorescent staining of MCF7 cell line with antibody shows positivity in nucleoplasm and nuclear bodies (green).

Gene Info — CREBBP

Entrez GeneID	1387
Protein Accession#	Q92793
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](#)