# CREBBP (Human) Cell-Based ELISA Kit

Catalog # KA2704 Size 1 Kit

## Specification

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| **Product Description** | CREBBP (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CREBBP expression in cultured cells. |
| **Suitable Sample** | Attached Cell, Loosely Attached Cell, Suspension Cell |
| **Label** | HRP-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Qualitative |
| **Reactivity** | Human, Mouse |
| **Regulation Status** | For research use only (RUO) |
| **Storage Instruction** | Store the kit at 4°C. |

## Applications

- Qualitative

## Gene Info — CREBBP

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| **Entrez GeneID** | 1387 |
| **Protein Accession#** | Q92793 |
| **Gene Name** | CREBBP |
| **Gene Alias** | CBP, KAT3A, RSTS |
| **Gene Description** | CREB binding protein |

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|---|---|
| **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

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- 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

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