

## p300 antibody

**Catalog No.:** 15-288-21542

**Quantity:** 0.1 mg

**Concentration:** 1 mg/ml

**Background:** Cyclic AMP-responsive enhancer binding protein (CREB) binding protein (CBP) and p300 are closely related transcriptional coactivators and have been shown to directly interact with many different DNA-binding transcription factors including nuclear hormone receptors, CREB, c-Fos, c-Jun/v-Jun, c-Myb/v-Myb, TFIIB and MyoD. Both CBP and p300 have been shown to display histone acetyltransferase (HAT) activity, capable of acetylating all four core histone particles in nucleosomes. As a result of HAT activity, it has been suggested CBP and p300 may play a direct role in activating chromatin for transcription. Single point mutations in CBP have been proposed as causative factors in the developmental abnormalities of Rubinstein-Taybi syndrome (RTS). Although both CBP and p300 appear to function similarly, the inability of p300 to rescue CBP malfunction in RTS suggests intrinsic functional differences between CBP and p300.

**Host / Isotype:** Chicken

**Immunogen:** Immunogen was a synthetic peptide, which represented a portion of human E1A binding protein p300 encoded within exons 15 and 16 (LocusLink ID 2033).

**Format:** **Purification:** Immunogen affinity purified  
**Buffer System:** Preservative: 0.1% Sodium Azide; Constituents: Tris-citrate/phosphate. pH 7-8

**Applications:** IP  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** Human - Not yet tested in other species

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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