

Datasheet for ABIN2452034
anti-CBX1 antibody (AA 176-185)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

| | |
|----------------------|--|
| Quantity: | 50 µg |
| Target: | CBX1 |
| Binding Specificity: | AA 176-185 |
| Reactivity: | Human, Hamster |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CBX1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), ChIP DNA-Sequencing (ChIP-seq) |

Product Details

| | |
|-----------------------------|--|
| Isotype: | IgG |
| Cross-Reactivity (Details): | Expected to react with mouse, chicken, zebra fish, Xenopus, Drosophila orthologs due to the sequence identity of the immunogen. |
| Characteristics: | The product is prepared by immunizing rabbit with the synthetic peptide CNEDDDKKDDKN including the C-terminal sequence (176-185) of human HP1beta and purified by affinity purification with the peptide. The antiserum was prepared by the direction of Prof. T. Haraguchi. |
| Purification: | Affinity purified |
| Sterility: | Sterile filtered |

Target Details

| | |
|---------|------|
| Target: | CBX1 |
|---------|------|

Target Details

Alternative Name: HP1 beta/cbx1 ([CBX1 Products](#))

Background: Heterochromatin protein 1 (HP1) is a major component of heterochromatin which plays a role in assembly of various proteins on chromatin and gene silencing. The HP1 family is evolutionally conserved, with members in fungi, plants and animals but not prokaryotes, and there are multiple members within the same species. The HP1 family proteins are encoded by a class of genes known as the chromobox (CBX) genes. In humans, HP1beta is encoded by the Chromobox homolog 1 (CBX1) gene located on chromosome 17q21.32. HP1beta has been observed to interact directly or indirectly with several non-histone proteins with a wide variety of functions.

UniProt: [P83916](#)

Application Details

Application Notes: 1) Western blotting: 1/2,000~1/10,000
2) Immunofluorescence staining
3) Chromatin immunoprecipitation (ChIP)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.44 mg/mL

Buffer: 0.12 M sodium phosphate buffer (pH 7.4), 50 % glycerol

Preservative: Azide free

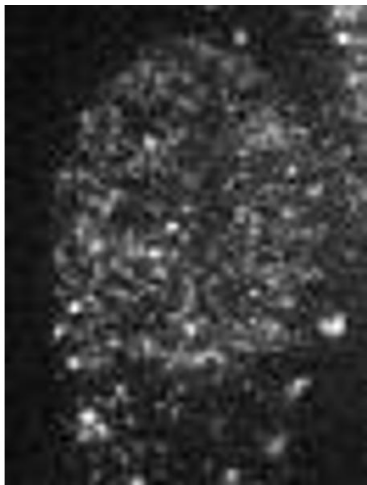
Storage: -20 °C/-80 °C

Storage Comment: -20 C (For long term storage: -70 C)

Publications

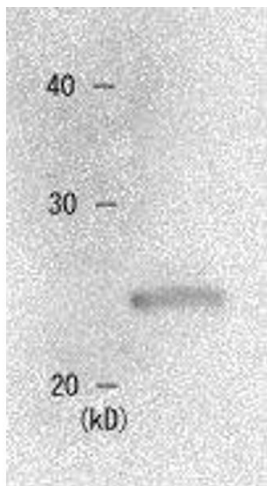
Product cited in: Bittner, Burke, Alberts: "Purification of the T4 gene 32 protein free from detectable deoxyribonuclease activities." in: **The Journal of biological chemistry**, Vol. 254, Issue 19, pp. 9565-72, (1979) ([PubMed](#)).

Alberts, Frey: "T4 bacteriophage gene 32: a structural protein in the replication and recombination of DNA." in: **Nature**, Vol. 227, Issue 5265, pp. 1313-8, (1970) ([PubMed](#)).



Immunofluorescence

Image 1.



Western Blotting

Image 2.