# H2AFZ (Ab-4) Antibody

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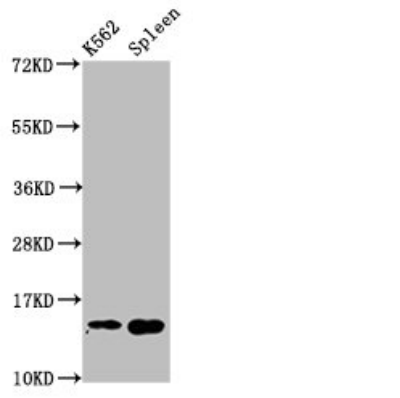
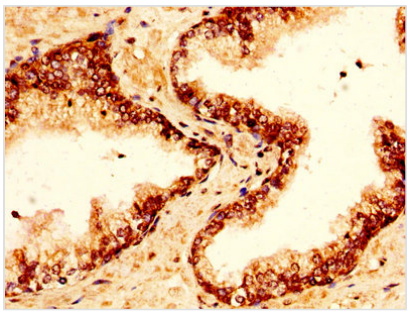
|---|---|
| **Product Code** | CSB-PA010100OA04nacHU |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | P0C0S5 |
| **Immunogen** | Peptide sequence around site of Lys (4) derived from Human Histone H2A.Z |
| **Raised In** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Tested Applications** | ELISA, WB, IHC, IF, IP, ChIP; Recommended dilution: WB:1:200-1:2000, IHC:1:20-1:200, IF:1:10-1:100, IP:1:200-1:2000 |
| **Form** | Liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Purification Method** | Antigen Affinity Purified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Alias** | Histone H2A.Z (H2A/z), H2AFZ, H2AZ |
| **Immunogen Species** | Homo sapiens (Human) |
| **Research Area** | Epigenetics and Nuclear Signaling |
| **Target Names** | H2AFZ |

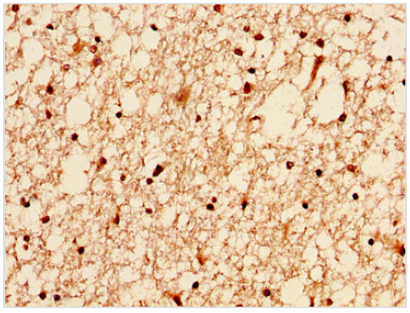
**Image**



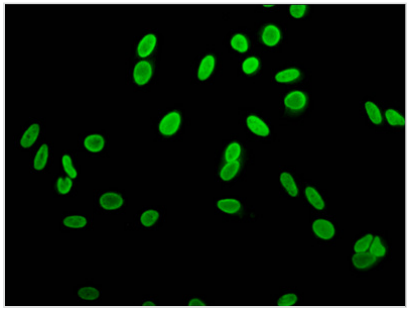

Western Blot
Positive WB detected in: K562 whole cell lysate, Mouse spleen tissue
All lanes: H2AFZ antibody at 1µg/ml
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 14 kDa
Observed band size: 14 kDa



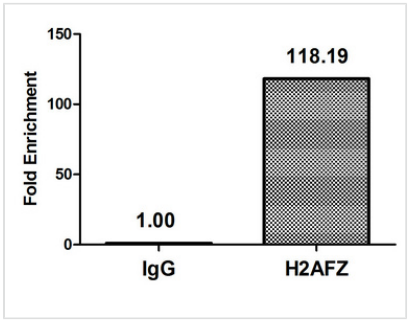
IHC image of CSB-PA010100OA04nacHU diluted at 1:50 and staining in paraffin-embedded human prostate tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



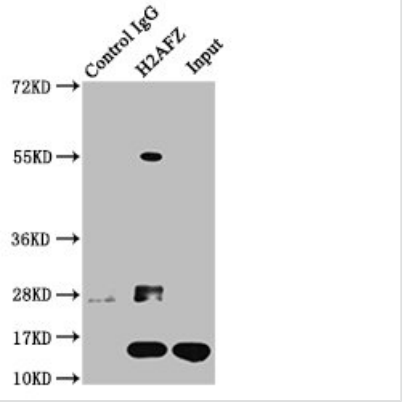
IHC image of CSB-PA010100OA04nacHU diluted at 1:50 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of Hela cells with CSB-PA010100OA04nacHU at 1:10, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).




Chromatin Immunoprecipitation Hela ($4*10^6$) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-H2AFZ (CSB-PA010100OA04nacHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.




Immunoprecipitating H2AFZ in K562 whole cell lysate
Lane 1: Rabbit control IgG (1µg) instead of CSB-PA010100OA04nacHU in K562 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: CSB-PA010100OA04nacHU (8µg) + K562 whole cell lysate (500µg)
Lane 3: K562 whole cell lysate (10µg)