

Anti-Histone H3 Antibody Product Manual

Cat No: GPA6331

Source: Rabbit

Reactivity: H, M, R, B, C, P, Z, Plant

Applications: WB, IH, IF/IC

*Application Key:

H - Human, M - Mouse, R - Rat, B - Bovine, C - Chicken, D - Dog, G - Goat, Mk - Monkey, P - Pig, Rb - Rabbit, S - Sheep, Z - Zebrafish

*Species Reactivity Key:

E- ELISA, WB - Western blot, IH - Immunohistochemistry, IF - Immunofluorescence, FC - Flow cytometry, IC - Immunocytochemistry, IP - Immunoprecipitation, ChIP - Chromatin Immunoprecipitation, EMSA - Electrophoretic Mobility Shift Assay, BL - Blocking, SE - Sandwich ELISA, CBE - Cell-based ELISA, RNAi - RNA interference

Datasheet

Description: Rabbit polyclonal antibody to Histone H3

Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H3. The exact sequence is proprietary.

Purification: The antibody was purified by immunogen affinity chromatography.

Clonality: Polyclonal

Form: Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Dilution: WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)

Gene Symbol: HIST1H3A; HIST1H3; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; HIST2H3A; HIST2H3C; HIST2H3D; H3F3A; H3F3B; H3F3C

Alternative Names: HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; HIST2H3A; HIST2H3C; H3F2; H3FM; HIST2H3D; Histone H3.2; Histone H3/m; Histone H3/o; H3F3A; H3.3A; H3F3; PP781; H3F3B; H3.3B; Histone H3.3; H3F3C; Histone H3.3C; Histone H3.5

Entrez Gene (Human): 8350; 8351; 8352; 8353; 8354; 8355; 8356; 8357; 8358; 8968; 126961; 333932; 653604; 3020; 3021; 440093;

Entrez Gene (Mouse): 319152; 15077; 15078; 625328;

Entrez Gene (Rat): 291159; 100361558;

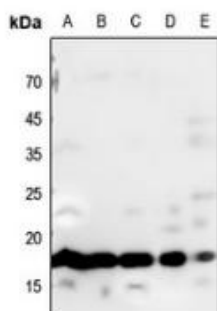
SwissProt (Human): P68431; Q71DI3; P84243; Q6NXT2;

SwissProt (Mouse): P68433; P84228; P84244; P02301;

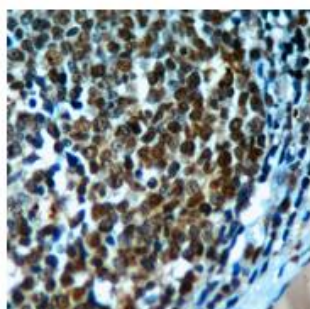
SwissProt (Rat): Q6LED0; P84245;

Storage/Stability: Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

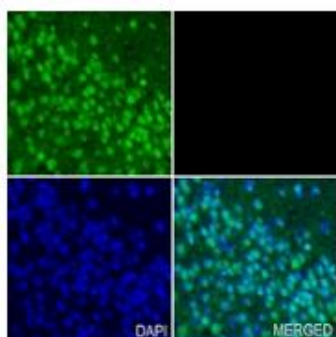
Validation



Western blot analysis of Histone H3 expression in HEK293T (A), U2OS (B), HCG27 (C), rat testis (D), rat kidney (E) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 17 kD)



Immunohistochemical analysis of Histone H3 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Histone H3 staining in rat brain, incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

