

Product Datasheet

HP1 alpha Mouse Monoclonal Antibody (orb1474400)

Catalog Number	orb1474400
Category	Antibodies
Description	The HP1 alpha Antibody is suitable for IF, IHC, WB. It is a Monoclonal, Unconjugated antibody which raised against Purified recombinant human HP1 alpha protein fragments expressed in E.coli. Purification: The antibody was purified by immunogen affinity chromatography.
Target	CBX5
Clonality	Monoclonal
Species/Host	Mouse
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Liquid
Buffer/Preservatives	PBS containing 50% glycerol, 0.5% rAlbumin and 0.02% sodium azide, pH 7.3.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	Purified recombinant human HP1 alpha protein fragments expressed in E.coli.
UniProt ID	P45973, Q61686
Tested applications	IF, IHC, WB
Dilution range	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100)

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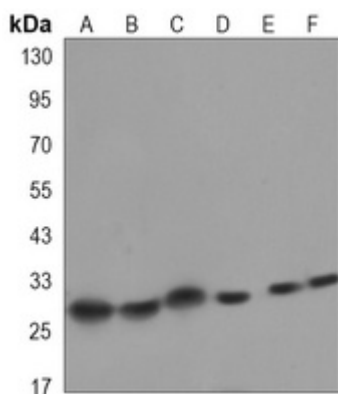
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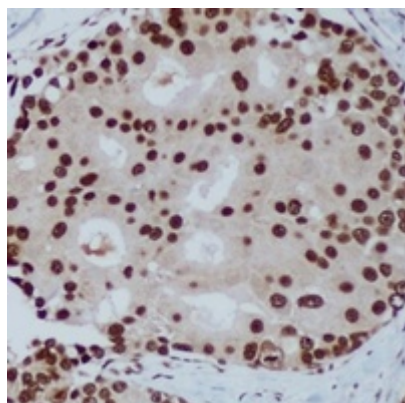
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Specificity	Recognizes endogenous levels of HP1 alpha protein.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	12419, 23468
Expiration Date	12 months from date of receipt.



Western blot analysis of HP1 alpha expression in MCF7 (A), 293T (B), NIH3T3 (C), C6 (D), COS7 (E), mouse brain (F) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 26 kD)



Immunohistochemical analysis of HP1 alpha staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.28). 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.

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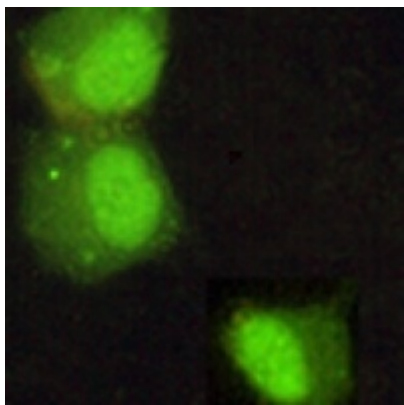
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Immunofluorescent analysis of HP1 alpha staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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