bsm-33428M **[Primary Antibody]**

HIF-1 Alpha Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 3G9
GeneID: 3091
SWISS: Q16665
Target: HIF-1 Alpha
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background:

缺氧诱导因子1Alpha不仅对于机体在缺氧条件下维持正常的生理功能具有特别重要的意义, 并在肿瘤的生长以及神经细胞凋亡等病理过程中起重要作用. HIF1 alpha能调节许多下游基因的表达水平.

哺乳动物细胞在低氧压力条件下出现HIF。HIF是一种转录因子，对细胞的缺氧起稳定作用。

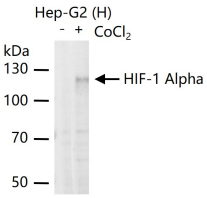
Applications: **WB** (1:500-2000)
Flow-Cyt (1ug/Test)
ICC/IF (1:50-1:200)

Reactivity: Human (predicted: Mouse, Rat)

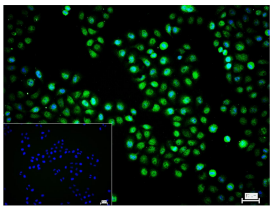
Predicted MW.: 92 kDa

Subcellular Location: Cytoplasm ,Nucleus

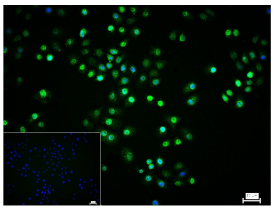
VALIDATION IMAGES



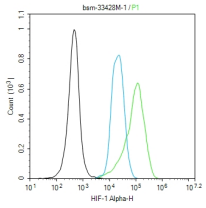
Hep-G2 (H) cells were treated with or without CoCl2 (500uM) for 6 h, 25 µg total protein per lane of cell lysates (see on figure) probed with HIF-1 Alpha monoclonal antibody, unconjugated (bsm-33428M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Hela（treated with 1mM CoCl2 for 24 hours）(H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HIF-1a) monoclonal Antibody, unconjugated (bsm-33428M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



4% Paraformaldehyde-fixed HepG2（treated with 1mM CoCl2 for 24 hours）(H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HIF-1a) monoclonal Antibody, unconjugated (bsm-33428M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Hela (treated with 500uM CoCl2 for 6 hours) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Mouse Anti-HIF-1 Alpha antibody (bsm-33428M): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-BF488 (bs-60296G-BF488): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000

events was performed.