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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-FIH Antibody [FIH 162c]

Mouse Anti-Human FIH Monoclonal IgG1
Catalog No. SMC-182



Discovery through partnership | Excellence through quality

Overview

Product Name

FIH Antibody

Description

Mouse Anti-Human FIH Monoclonal IgG1

Species Reactivity

Human, Mouse

Applications

WB, IHC, ICC/IF

Antibody Dilution

WB (1:100), IHC (1:100), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Full length human FIH expressed in E.coli BL21 (DE3) cells

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

FIH 162c

Isotype

IgG1

Specificity

Detects ~45kDa.

Cite This Product

Mouse Anti-Human FIH Monoclonal, Clone FIH 162c (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-182)

Certificate Of Analysis

1 µg/ml of SMC-182 was sufficient for detection of FIH in 20 µg of HeLa lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Factor inhibiting HIF1 (hypoxia-inducible factor) Antibody, DKFZp762F1811 Antibody, Factor inhibiting HIF-1 Antibody, Factor inhibiting HIF1 Antibody, FIH 1 Antibody, FIH-1 Antibody, FIH1 Antibody, FLJ20615 Antibody, FLJ22027 Antibody, HIF1AN Antibody, HIF1N_HUMAN Antibody, Hypoxia inducible factor 1 alpha inhibitor Antibody, Hypoxia inducible factor 1 alpha subunit inhibitor Antibody, Hypoxia inducible factor asparagine hydroxylase Antibody, Hypoxia-inducible factor 1-alpha inhibitor Antibody, Hypoxia-inducible factor asparagine hydroxylase Antibody, Peptide aspartate beta dioxygenase Antibody

Research Areas

Cancer, Cell Signaling, Epigenetics, Oxidative Stress

Cellular Localization

Nucleus

Accession Number

NP_060372.2

Gene ID

55662

Swiss Prot

Q9NWT6

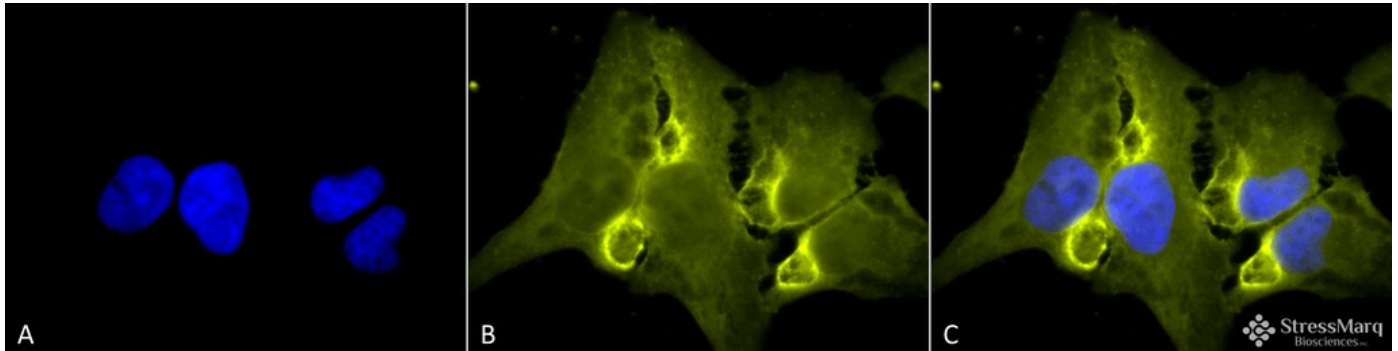
Scientific Background

FIH, Factor inhibiting HIF1 (hypoxia-inducible factor), is an asparaginyl hydroxylase. FIH in conjunction with VHL represses HIF-1 transcriptional activity by disrupting the interaction of HIF-1 with the transcriptional co-activators CBP/p300, and by recruiting histone deacetylases. FIH activity is inhibited during hypoxia (1-3). Recent studies show that low nuclear expression of FIH is a strong independent prognostic factor for a poor overall survival in clear cell renal cell carcinoma (4).

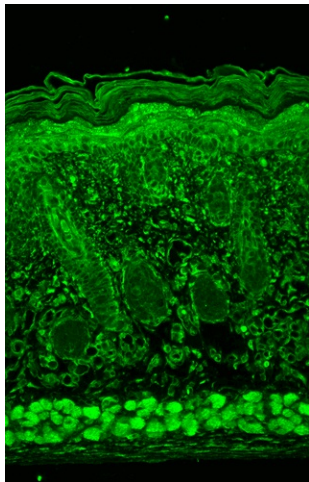
References

1. Stolze I.P., et al. (2004) J Bio Chem. 42719-42725.
2. Soilleux E.J., et al. (2005) Histopathology 47:602-610.
3. Moon H., Han S., Park H., Choe J. (2010) Mol Cells. 29(5): 471-474.
4. Kroeze S.G., et al. (2010) Eur J Cancer. Epub.

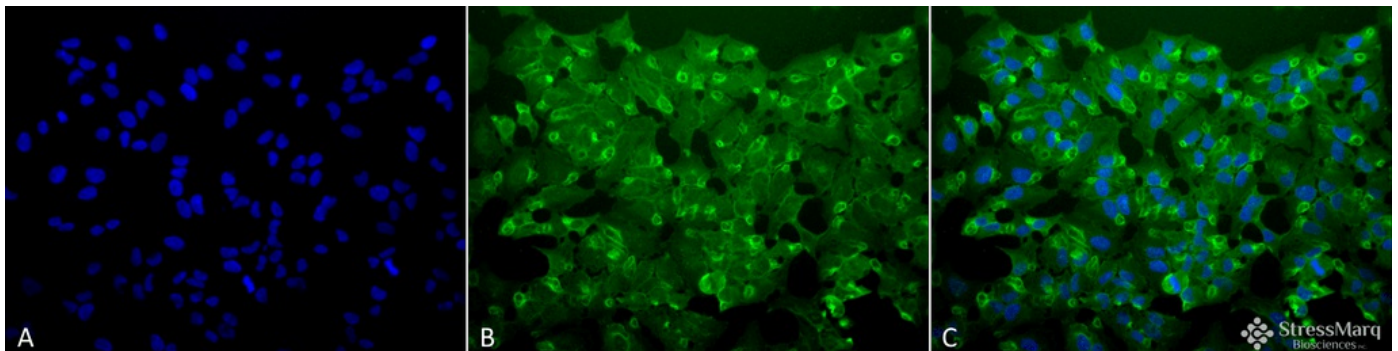
Product Images



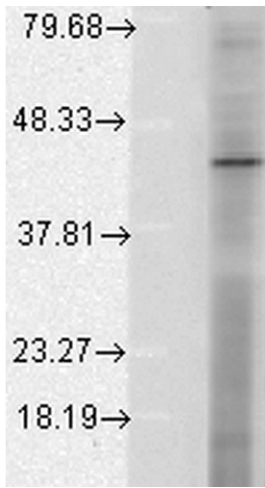
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-FIH Monoclonal Antibody, Clone fih162C (SMC-182). Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-FIH Monoclonal Antibody (SMC-182) at 1:100 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Mouse (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Nucleus. Cytoplasm. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-FIH Antibody. (C) Composite.



Immunohistochemistry analysis using Mouse Anti-FIH Monoclonal Antibody, Clone fih162C (SMC-182). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-FIH Monoclonal Antibody (SMC-182) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: All positive.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-FIH Monoclonal Antibody, Clone fih162C (SMC-182). Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-FIH Monoclonal Antibody (SMC-182) at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Nucleus. Cytoplasm. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-FIH Antibody. (C) Composite.



Western Blot analysis of Human Cell lysates showing detection of FIH protein using Mouse Anti-FIH Monoclonal Antibody, Clone fih162c (SMC-182). Load: 15 μ g protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-FIH Monoclonal Antibody (SMC-182) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.