

Datasheet for 209-301-F27**FIH Antibody****Overview**

Description:	Anti-FIH (MOUSE) Monoclonal Antibody - 209-301-F27
Item No.:	209-301-F27
Size:	100 µg
Applications:	IHC, WB
Reactivity:	H. sapiens (Human)
Host Species:	Mouse

Product Details

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 coactivators CBP/p300, and by recruiting histone deacetylases. FIH activity is inhibited during hypoxia. 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.
Synonyms:	mouse anti-FIH Antibody, mouse anti-Factor inhibiting HIF1 antibody, Factor inhibiting HIF1 (hypoxia-inducible factor)
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	FIH 162c
Format:	IgG1

Target Details

Reactivity:	H. sapiens (Human)
Immunogen Type:	Recombinant Protein
Immunogen:	FIH Antibody was produced in mice by repeated immunizations with full length human FIH expressed in E.coli BL21 (DE3) cells.

Purity/Specificity:	Anti-FIH Antibody was purified by Protein G chromatography. This monoclonal antibody is specific for human FIH protein. A BLAST analysis was used to suggest cross-reactivity with FIH from human based on 100% homology with the immunizing sequence. Cross-reactivity with FIH from other sources has not been determined. Oxidative Stress/ Cell Signaling research.
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Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-FIH Antibody is tested for use in WB and IHC (Paraffin embedded). Expect a band approximately ~45kDa corresponding to specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	User Optimized
WB:	10ug/mL

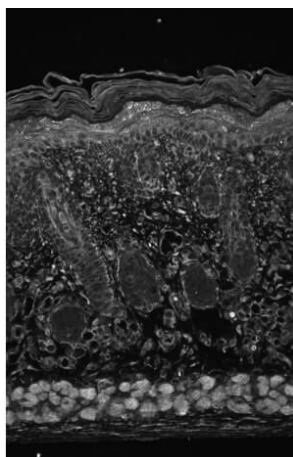
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

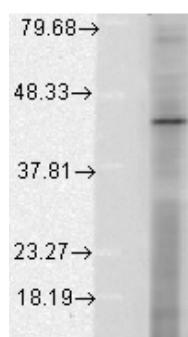
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of mouse anti-FIH antibody. Tissue: mouse backskin sections. Fixation: N/A. Primary Antibody: FIH antibody at 1ug/ml for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT.



Western Blot

Western Blot of mouse anti-FIH antibody. Lane 1: human cell line mix. Lane 2: none. Load: 35 µg per lane. Primary antibody: FIH antibody at 1:1000 for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~46 kDa for FIH. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.