Human HNF-3β/FoxA2 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: IC2400G
100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HNF-3β/FoxA2 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human HNF-3β/FoxA2 Met242-Ser457 Accession # Q9Y261
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

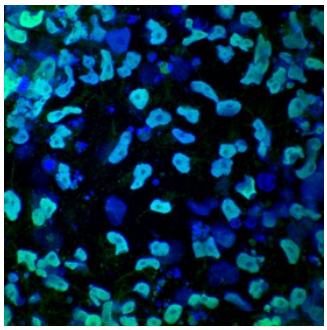
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Immunocytochemistry	10 µg/mL	See Below
Intracellular Staining by Flow Cytometry	5 µL/10^6 cells	See Below

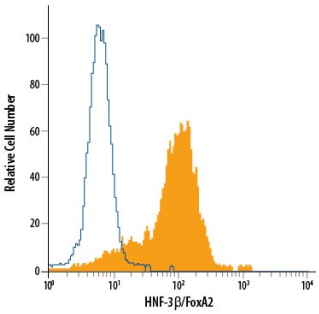
DATA

Immunocytochemistry



HNF-3β/Fox A2 in Mesendoderm Differentiated BG01V Human Stem Cells. BG01V human embryonic stem cells were differentiated into mesendoderm using the StemXVivo Endoderm Kit (Catalog # SC019). HNF-3β/FoxA2 was detected in immersion fixed mesendoderm differentiated BG01V human embryonic stem cells using 10 µg/mL Goat Anti-Human HNF-3β/FoxA2 Alexa Fluor® 488-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # IC2400G, green) for 3 hours at room temperature and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

Intracellular Staining by Flow Cytometry



Detection of HNF-3β/FoxA2 in Human iPS Cells by Flow Cytometry. Human iPS cells were stained with Goat Anti-Human HNF-3β/FoxA2 Alexa Fluor® 488-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # IC2400G, filled histogram) or isotype control antibody (Catalog # IC105G, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

HNF-3β, also known as FoxA2, is a member of the forkhead class of DNA-binding proteins. It is a transcriptional activator for liver-specific transcripts such as albumin and transthyretin. Similar family members play roles in the differentiation of the pancreas and liver.

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