

Rabbit anti-Human HNF3beta/FOXA2 Monoclonal Antibody | anti-FOXA2 antibody

HNF3beta/FOXA2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282665	Rabbit	Human	ELISA, Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot

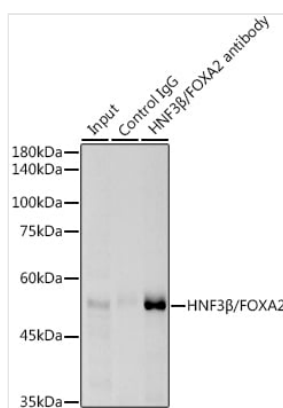
PRODUCT SYNONYMS

HNF3beta/FOXA2; Monoclonal Antibody; HNF3beta/FOXA2 Rabbit mAb; HNF3B; TCF3B; HNF-3-beta; anti-FOXA2 antibody

PRODUCT SPECIFICATIONS

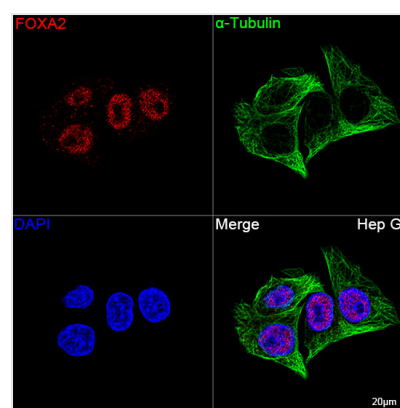
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MLGAVKMEGH EPDWSYYA EPEGYSSVSN MNAGLGMNGM NTYMSMSAAA MGSGSGNMSA GSMNMSSYVG AGMSPSLAGM SPGAGAMAGM GGSAGAAGVA
Applicable Applications for anti-FOXA2 antibody	ELISA, IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HNF3beta/FOXA2 (Q9Y261).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



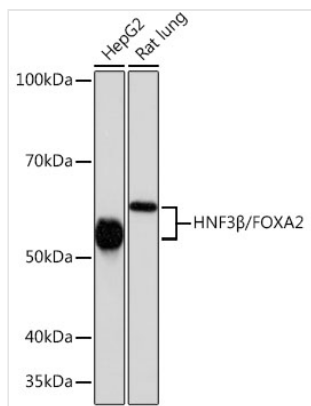
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of HepG2 cells using 3 ug HNF3 β /FOXA2 antibody (AAA282665). Western blot was performed from the immunoprecipitate using HNF3 β /FOXA2 antibody (AAA282665) at a dilution of 1:1000.



ICC (Immunocytochemistry)

Confocal imaging of Hep G2 cells using HNF3 β /FOXA2 Rabbit mAb (AAA282665, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo $\text{\textcircled{R}}$ 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



WB (Western Blot)

Western blot analysis of various lysates using HNF3 β /FOXA2 Rabbit mAb (AAA282665) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXA2 antibody	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for this gene.
Product Categories/Family for anti-FOXA2 antibody	Epigenetics Nuclear Signaling ; Transcription Factors ; Cell Biology Developmental Biology ; Cell Adhesion ; Wnt/beta Catenin Signaling Pathway ; Endocrine Metabolism ; Endocrine and metabolic diseases ; Obesity ; Stem Cells ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194394143
NCBI GeneID	3170
NCBI Accession #	NP_068556.2
NCBI GenBank Nucleotide #	NM_021784.4
UniProt Accession #	Q9Y261; Q8WUW4; Q96DF7
Molecular Weight	Calculated MW: 48kDa Observed MW: 52kDa
UniProt Protein Name	Hepatocyte nuclear factor 3-beta
UniProt Gene Name	FOXA2
UniProt Synonym Gene Names	HNF3B; TCF3B; HNF-3-beta; HNF-3B; TCF-3B
UniProt Entry Name	FOXA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hnf3beta-foxa2-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-western-blot-elisa/282665>