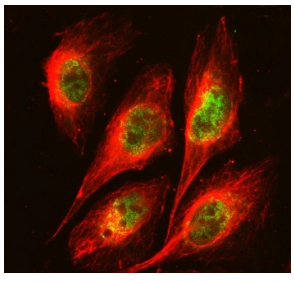
FOXA3 Antibody (R32147)

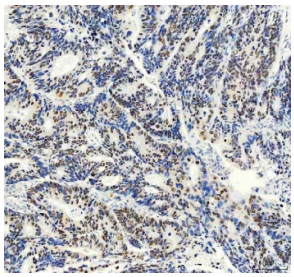
Catalog No.	Formulation	Size
R32147	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

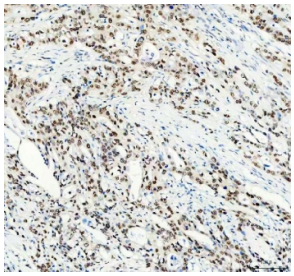
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55318
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This FOXA3 antibody is available for research use only.



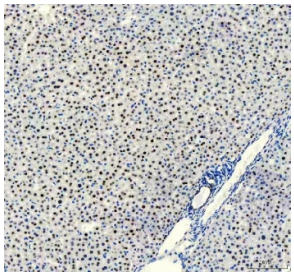
Immunofluorescent staining of FFPE human U-2 OS cells with FOXA3 antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



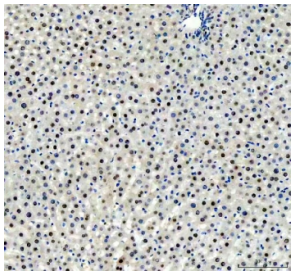
IHC staining of FFPE human colon cancer tissue with FOXA3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



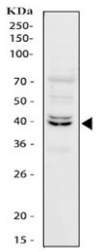
IHC staining of FFPE human pancreatic cancer tissue with FOXA3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



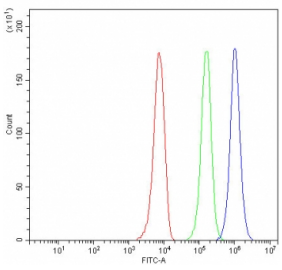
IHC staining of FFPE mouse liver tissue with FOXA3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver tissue with FOXA3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human HepG2 cell lysate with FOXA3 antibody. Expected molecular weight ~37 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with FOXA3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= FOXA3 antibody.

Description

Hepatocyte nuclear factor 3-gamma (HNF-3G), also known as forkhead box protein A3 (FOXA3) or transcription factor 3G (TCF-3G), is a protein that in humans is encoded by the FOXA3 gene. This gene is mapped to 19q13.32. HNF-3G is a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts 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. The crystal structure of a similar protein in rat has been resolved.

Application Notes

Optimal dilution of the FOXA3 antibody should be determined by the researcher.

Immunogen

Amino acids ELKLDAPYNFNHPFSINNLMSEQTPAPPKLDVGF of human FOXA3 were used as the immunogen for the FOXA3 antibody.

Storage

After reconstitution, the FOXA3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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