

For Research Use Only

FOXA2 Polyclonal antibody, PBS Only

Catalog Number: 22474-1-PBS

Featured Product



Basic Information

Catalog Number:

22474-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18221

GenBank Accession Number:

BC011780

GeneID (NCBI):

3170

UNIPROT ID:

Q9Y261

Full Name:

forkhead box A2

Calculated MW:

457 aa, 48 kDa

Observed MW:

55-65 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-P, IP, Indirect ELISA

Species Specificity:

human

Background Information

FOXA2 also named as HNF 3 beta or TCF3B is a 457 amino acid protein, which contains one fork-head DNA-binding domains. FOXA2 can Shuttle between the nucleus and cytoplasm in a CRM1-dependent manner. Phosphorylation on FOXA2 Thr-156 abolishes binding to target promoters and subsequent transcription activation upon INS stimulation. FOXA2 as a transcription factor involves in embryonic development, establishment of tissue-specific gene expression and regulation of gene expression in differentiated tissues. The molecular weight of FOXA2 is 48kDa, but the phosphorylated FOXA2 may be a 55-65kDa protein.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

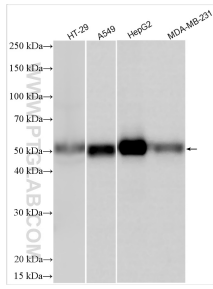
T: 4006900926

E: Proteintech-CN@ptglab.com

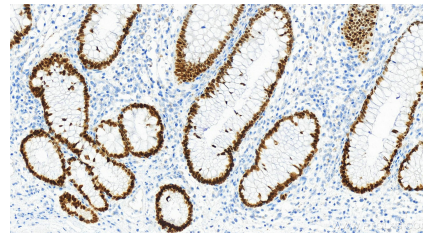
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

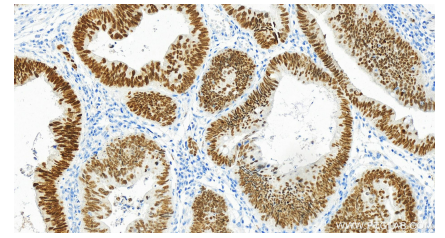
Selected Validation Data



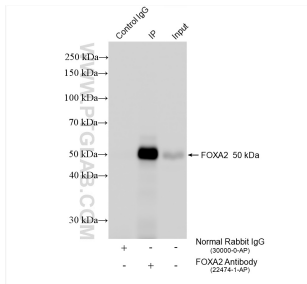
Various lysates were subjected to SDS PAGE followed by western blot with 22474-1-AP (FOXA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22474-1-PBS in a different storage buffer formulation.



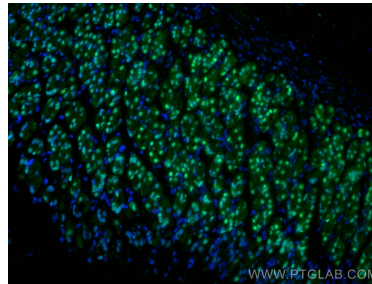
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 22474-1-AP (FOXA2 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22474-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 22474-1-AP (FOXA2 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22474-1-PBS in a different storage buffer formulation.



IP result of anti-FOXA2 (IP:22474-1-AP, 4ug; Detection:22474-1-AP 1:500) with HepG2 cells lysate 1320 ug. This data was developed using the same antibody clone with 22474-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed rat stomach tissue using FOXA2 antibody (22474-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 22474-1-PBS in a different storage buffer formulation.