

## Anti-FOXA2 Polyclonal Antibody

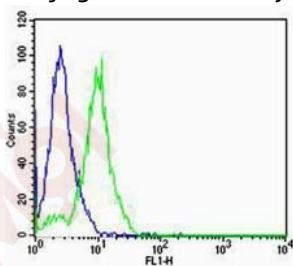
### Product Details

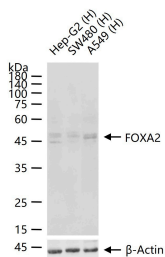
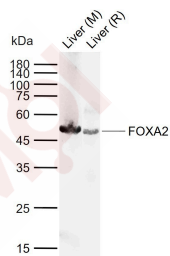
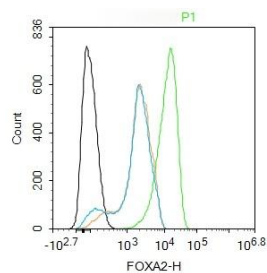
**Ig Type:** IgG  
**Reactivity:** Human, Mouse, Rat (predicted: Chicken, Pig, Cow, Horse)  
**Molecular Weight:** Theoretical: 50 kDa. Actual: 50 kDa.  
**Purification:** Protein A purified

### Applications

- Cell: F9**  
**Concentration: 1:100**  
**Host/Isotype: Rabbit/IgG**  
 Flow cytometric analysis of Rabbit IgG isotype control (Cat#: TMAB-00703) on F9 (green) compared with control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L) secondary antibody.
- Blank control (black line): HepG2. Primary Antibody (green line): Rabbit Anti-FOXA2 antibody (TMAB-00703)**  
**Dilution: 1 µg/Test;**  
**Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488**  
**Dilution: 0.5 µg/Test.**  
**Isotype control (orange line): Normal Rabbit IgG**  
**Protocol**  
 The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
- Sample:**  
**Lane 1: Mouse Liver tissue lysates**  
**Lane 2: Rat Liver tissue lysates**  
**Primary: Anti-FOXA2 (TMAB-00703) at 1/1000 dilution**  
**Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution**  
**Predicted band size: 50 kDa**  
**Observed band size: 50 kDa**
- 25 µg total protein per Lane of various lysates probed with FOXA2 polyclonal antibody, unconjugated (TMAB-00703) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.

**Verified Activity:**





Application: FCM,WB

Recommended WB: 1:500-2000; FCM: 1µg/Test

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human FOXA2

Antigen Species: Human

Gene ID: 3170

Uniprot ID: Q9Y261

Synonyms: Hepatocyte nuclear factor 3-beta;HNF-3-beta;HNF-3B;HNF3B, TCF3B;FOXA 2;Transcription factor 3B(TCF-3B);Forkhead box protein A2

Biology Area: Endoderm,ChIP antibodies,FOXA,Obesity,Endoderm

### Research Background

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. [provided by RefSeq, Oct 2008]

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481