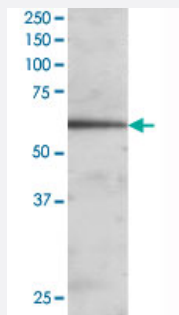


FOXA2 polyclonal antibody

Catalog # PAB6419

Size 100 ug

Applications



Western Blot (Tissue lysate)

FOXA2 polyclonal antibody (Cat # PAB6419) staining (1 ug/mL) of human liver lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FOXA2.
Immunogen	A synthetic peptide corresponding to C-terminus of human FOXA2.
Sequence	C-GVYSRPIMNSS
Host	Goat
Theoretical MW (kDa)	48.9, 48.3
Reactivity	Human
Specificity	Both reported variants represent identical protein (NP_068556.1, NP_710141.1)
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:4000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

FOXA2 polyclonal antibody (Cat # PAB6419) staining (1 ug/mL) of human liver lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FOXA2

Entrez GeneID	3170
Protein Accession#	NP_068556.1;NP_710141.1
Gene Name	FOXA2
Gene Alias	HNF3B, MGC19807, TCF3B
Gene Description	forkhead box A2
Omim ID	600288
Gene Ontology	Hyperlink

Gene Summary	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]
Other Designations	OTTHUMP00000030409 OTTHUMP00000030410 hepatic nuclear factor-3-beta hepatocyte nuclear factor 3, beta

Publication Reference

- [Foxa2 \(HNF3beta \) controls multiple genes implicated in metabolism-secretion coupling of glucose-induced insulin release.](#)

Wang H, Gauthier BR, Hagenfeldt-Johansson KA, Iezzi M, Wollheim CB.

The Journal of Biological Chemistry 2002 May; 277(20):17564.

Application: IF, WB-Tr, Rat, INS-1 cells

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)