OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA354607

FOXA2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the C-terminus of human FOXA2 protein. This sequence is identical to rat, mouse and human origins.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~48 kDa
Gene Name:	forkhead box A2
Database Link:	NP_068556 Entrez Gene 3170 Human Q9Y261

View online »

Background: The forkhead box gene encodes 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. FOXA1 plays an important role in breast cancer. The FOXA subfamily is composed of the transcription factors FOXA1, A2, A3. They were discovered as the regulators of hepatic genes. Regularly, the plasma insulin inhibits the forkhead transcription factor Foxa2. The cytoplasmic localization and inactivation of Foxa2 are observed in the chronic hyperinsulinaemia of insulin-resistant syndromes, thereby promoting lipid accumulation and insulin resistance in the liver. Pharmacological intervention to inhibit phosphorylation of Foxa2 may be an effective treatment for type 2 diabetes.

Synonyms: HNF3B; TCF3B

Protein Families: Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Protein Pathways: Maturity onset diabetes of the young