

Rabbit anti-Human, Mouse FOG2 Polyclonal Antibody | anti-FOG2 antibody

FOG2 Antibody

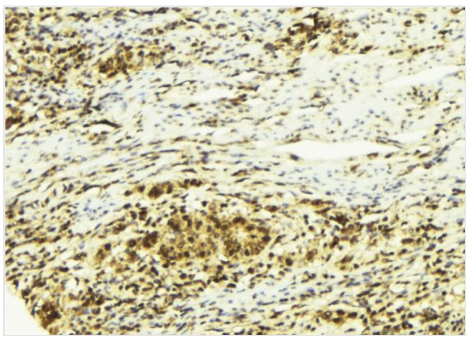
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327700	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

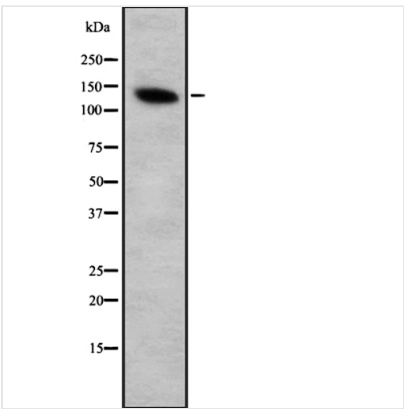
FOG2; Polyclonal Antibody; FOG2 Antibody; FOG-2; FOG2_HUMAN; Friend of GATA 2; Friend of GATA protein 2; Friend of GATA2; hFOG-2; ZFPM2; Zinc finger protein 89B; Zinc finger protein M2; Zinc finger protein multitype 2; Zinc finger protein ZFPM2; anti-FOG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	FOG2 antibody detects endogenous levels of total FOG2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1151
Applicable Applications for anti-FOG2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FOG2
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed at low level.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (90%), Bovine (82%), Horse (100%), Sheep (82%), Rabbit (100%), Dog (90%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA327700 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis FOG2 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-FOG2 antibody	Function: Transcription regulator that plays a central role in heart morphogenesis and development of coronary vessels from epicardium, by regulating genes that are essential during cardiogenesis. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA4, GATA5 and GATA6. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. Also required in gonadal differentiation, possibly be regulating expression of SRY. Probably acts a corepressor of NR2F2 (By similarity). Subunit Structure: Interacts with the N-terminal zinc-finger of GATA4, GATA5 and probably GATA6. Interacts with retinoid nuclear receptor RXRA when ligand bound (By similarity). Interacts with corepressor CTBP2; this interaction is however not essential for corepressor activity. Able to bind GATA1 in vitro. Interacts with NR2F2 and NR2F6 (By similarity). Interacts with ATOH8; mediates indirect interaction with GATA4 (By similarity). Post-translational Modifications: Sumoylation reduces transcriptional repression activity. Similarity: The CCHC FOG-type zinc fingers 1, 2, 3 and 5 directly bind to GATA-type zinc fingers. The Tyr residue adjacent to the last Cys of the CCHC FOG-type zinc finger is essential for the interaction with GATA-type zinc fingers (By similarity). Belongs to the FOG (Friend of GATA) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223890230
NCBI GeneID	23414
NCBI Accession #	NP_036214.2
NCBI GenBank Nucleotide #	NM_012082.3
UniProt Accession #	Q8WW38; Q32MA6; Q9NPL7; Q9NPS4; Q9UNI5
Molecular Weight	Observed: 128 kDa Predicted: 129 kDa
NCBI Official Full Name	zinc finger protein ZFPM2 isoform 1
NCBI Official Synonym Full Names	zinc finger protein, FOG family member 2
NCBI Official Symbol	ZFPM2
NCBI Official Synonym Symbols	DIH3; FOG2; SRXY9; ZNF89B; hFOG-2; ZC2HC11B
NCBI Protein Information	zinc finger protein ZFPM2
UniProt Protein Name	Zinc finger protein ZFPM2
UniProt Gene Name	ZFPM2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fog2-antibody-immunohistochemistry-western-blot-elisa/327700>