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ZNF143 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57803

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P52747
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68896

Additional Information

Gene ID	7702
Other Names	Zinc finger protein 143, SPH-binding factor, Selenocysteine tRNA gene transcription-activating factor, hStaf, ZNF143, SBF, STAF
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ZNF143 {ECO:0000303|PubMed:7557990, ECO:0000312|HGNC:HGNC:12928}
Function	Transcription factor that activates expression of genes transcribed by both RNA polymerases II and III, and which is required to safeguard mitochondrial activity (PubMed:10893243, PubMed:14702349, PubMed:17938208, PubMed:26416877, PubMed:39708803, PubMed:9705341, PubMed:9776743). Specifically recognizes and binds the Staf-binding site (SBS), a consensus DNA-binding motif present in thousands of promoters (PubMed:17092945, PubMed:21177654, PubMed:23408857, PubMed:9705341). Activates the gene for selenocysteine tRNA (tRNAsec) (PubMed:23152058). Activates expression of small nuclear RNA (snRNA) transcribed by RNA polymerases II and III (PubMed:17938208, PubMed:9776743). Also activates expression of mRNAs and acts as a key regulator of cell proliferation and differentiation by specifically activating expression of a subset of nuclear-encoded mitochondrial genes, thereby controlling mitochondrial function (By similarity). Involved in the maintenance of embryonic stem cells by promoting association of POU5F1/OCT4 to promoters, leading to NANOG expression (By similarity).

Cellular Location	Nucleus {ECO:0000250|UniProtKB:O70230}. Chromosome {ECO:0000250|UniProtKB:O70230}. Note=Localizes to chromatin {ECO:0000250|UniProtKB:O70230}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.