

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ZNF143 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) ZNF24, rhZNF206, rhZNF281, rhDC-SCRIPT/ZNF366, rhZNF423, or recombinant mouse Bcl-6 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 677314
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ZNF143 Gly459-Asp638 Accession # P52747
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ZNF143 is a 69 kDa (unglycosylated) member of the GLI C2H2-type zinc-finger protein family. Human ZNF143 is 638 amino acids (aa) in length. A second isoform is produced from the deletion of residues 39-69. The protein contains seven C2H2-type zinc fingers, and is expressed in all tissues tested with greatest expression in the ovary. Functionally, ZNF143 serves as a transcriptional activator. Its other functions include acting as an activator for the gene for selenocysteine tRNA (tRNA^{Sec}), binding to the SPH motif of small nuclear RNA (snRNA) gene promoters, and participating in efficient U6 RNA polymerase III transcription through its interaction with CHD8. Human ZNF143 shares 97% aa sequence identity with mouse ZNF143.

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