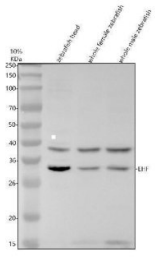
Zebrafish EHF Antibody / ETS Homologous Factor Antibody (RZ1447)

Catalog No.	Formulation	Size
RZ1447	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Species Reactivity	Zebrafish
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Buffer	Lyophilized from a buffered saline solution containing 2% trehalose. Reconstitute with 0.2 mL distilled water to yield a final antibody concentration of 500 ug/mL.
UniProt	Q29R87
Applications	Western blot: 0.5-1ug/ml
Limitations	This Zebrafish EHF Antibody / ETS Homologous Factor Antibody is available for research use only.



Zebrafish EHF Antibody WB. Western blot analysis of EHF expression using anti-EHF antibody. EHF, also known as ETS Homologous Factor and ESE3, is an epithelial specific ETS family transcription factor involved in cellular differentiation and tissue homeostasis. Lane 1: zebrafish head tissue lysate. Lane 2: whole female zebrafish tissue lysate. Lane 3: whole male zebrafish tissue lysate. A major band was detected at approximately 33 kDa, corresponding to the expected molecular weight of EHF. An additional band at approximately 38 kDa was consistently observed and may represent a phosphorylated, post translationally modified, or alternatively spliced form of ETS Homologous Factor. These results demonstrate expression of EHF in multiple zebrafish tissues and support the utility of this antibody for studies of epithelial development and transcriptional regulation.

Description

Zebrafish EHF Antibody / ETS Homologous Factor Antibody recognizes EHF, a member of the ETS family of transcription factors that regulates epithelial cell differentiation, proliferation, and tissue homeostasis. EHF contains a conserved ETS DNA binding domain that mediates sequence specific transcriptional regulation of genes involved in development and cellular specialization. Like other ETS family members, EHF functions downstream of signaling pathways that influence cell fate determination and maintenance of epithelial integrity.

EHF expression is primarily associated with epithelial tissues and contributes to the regulation of genes involved in barrier formation, cellular adhesion, and differentiation. In zebrafish, EHF participates in developmental processes that establish and maintain epithelial structures during embryogenesis. The high degree of conservation between zebrafish and mammalian EHF proteins makes zebrafish a valuable model for investigating epithelial biology and transcriptional regulation. Altered EHF expression has been linked to abnormal differentiation and tumor development in mammalian systems, highlighting its importance in maintaining normal tissue architecture.

Zebrafish EHF Antibody / ETS Homologous Factor Antibody is useful for studies of embryonic development, epithelial differentiation, and transcriptional regulation. Because ETS family transcription factors control diverse biological processes including proliferation, migration, and cellular identity, EHF has emerged as an important target for developmental and cancer research. Zebrafish models provide an effective platform for investigating conserved mechanisms of epithelial homeostasis and gene regulation, making Zebrafish EHF Antibody / ETS Homologous Factor Antibody a valuable tool for studies of vertebrate development and disease.

This Zebrafish antibody is part of a broader Zebrafish / Danio rerio antibody panel offered by NSJ Bioreagents.

Application Notes

The optimal working dilution of the Zebrafish EHF Antibody / ETS Homologous Factor Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish EHF recombinant protein (amino acids M1-F226) was used as the immunogen for the Zebrafish EHF Antibody.

Storage

After reconstitution, the Zebrafish EHF Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

Zebrafish ETS Homologous Factor Antibody, Zebrafish ESE3 Antibody, Zebrafish Epithelial Specific ETS Factor 3 Antibody, Zebrafish ESE J Antibody, Zebrafish ETS Family Transcription Factor Antibody, Zebrafish Epithelial ETS Transcription Factor Antibody

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