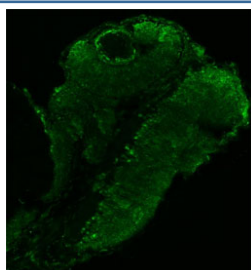


Zebrafish ILF2 Antibody / Interleukin enhancer-binding factor 2 / NF45 (RZ1039)

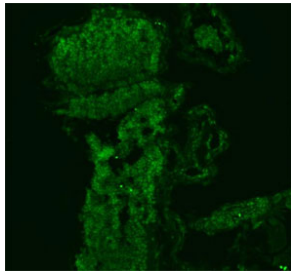
Catalog No.	Formulation	Size
RZ1039	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

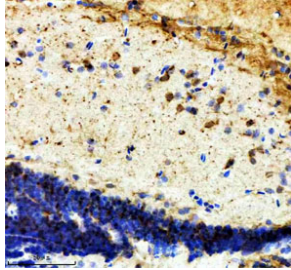
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6NZ06
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml Immunofluorescence : 5ug/ml
Limitations	This Zebrafish ILF2 antibody is available for research use only.



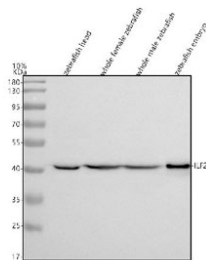
Immunofluorescent staining of FFPE zebrafish embryo tissue with Zebrafish ILF2 antibody (green). HIER: steam section in pH8 EDTA buffer for 20 min.



Immunofluorescent staining of FFPE zebrafish embryo tissue with Zebrafish ILF2 antibody (green). HIER: steam section in pH8 EDTA buffer for 20 min.



IHC staining of FFPE human brain tissue with Zebrafish ILF2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot analysis of NF45/ILF2 protein using Zebrafish ILF2 antibody and 1) zebrafish head 2) whole female zebrafish, 3) whole male zebrafish and 4) zebrafish embryo tissue lysate. Expected molecular weight ~43 kDa.

Description

Interleukin enhancer-binding factor 2, also called 'Nuclear factor of activated T-cells 45 kDa,' is a protein that in humans is encoded by the ILF2 gene. The protein encoded by this gene is a transcription factor required for T-cell expression of the interleukin 2 gene. It also binds RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. The encoded 45 kDa protein (NF45, ILF2) forms a complex with the 90 kDa interleukin enhancer-binding factor 3 (NF90, ILF3), and this complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm, to repair DNA breaks by nonhomologous end joining, and to negatively regulate the microRNA processing pathway. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. Alternative splicing results in multiple transcript variants. Related pseudogenes have been found on chromosomes 3 and 14.

Application Notes

Optimal dilution of the Zebrafish ILF2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish NF45/ILF2 recombinant protein (amino acids Y23-K356) was used as the immunogen for the Zebrafish ILF2 antibody.

Storage

After reconstitution, the Zebrafish ILF2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

