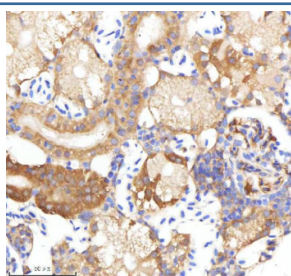


## Zebrafish Neuropeptide Y Antibody / Npy (RZ1249)

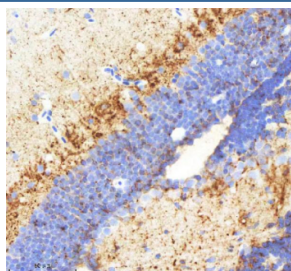
Catalog No.	Formulation	Size
RZ1249	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

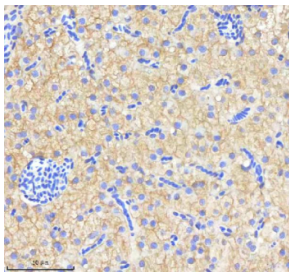
<b>Availability</b>	2-3 weeks
<b>Species Reactivity</b>	Zebrafish
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity chromatography
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9I8P3
<b>Localization</b>	Cytoplasmic & secreted
<b>Applications</b>	Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This Zebrafish Neuropeptide Y antibody is available for research use only.



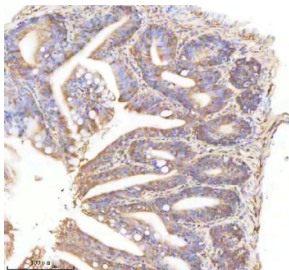
IHC staining of zebrafish Neuropeptide Y protein using Zebrafish Neuropeptide Y antibody, HRP-labeled secondary and DAB substrate. Neuropeptide Y was detected in a paraffin-embedded section of zebrafish kidney tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



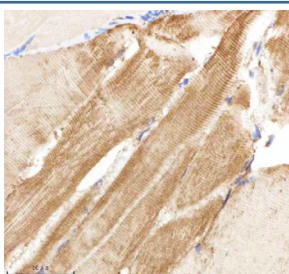
IHC staining of zebrafish Neuropeptide Y protein using Zebrafish Neuropeptide Y antibody, HRP-labeled secondary and DAB substrate. Neuropeptide Y was detected in a paraffin-embedded section of zebrafish brain tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



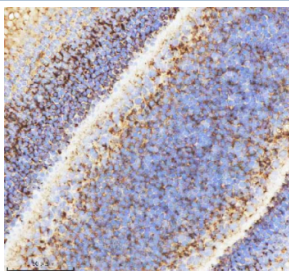
IHC staining of zebrafish Neuropeptide Y protein using Zebrafish Neuropeptide Y antibody, HRP-labeled secondary and DAB substrate. Neuropeptide Y was detected in a paraffin-embedded section of zebrafish liver tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of zebrafish Neuropeptide Y protein using Zebrafish Neuropeptide Y antibody, HRP-labeled secondary and DAB substrate. Neuropeptide Y was detected in a paraffin-embedded section of zebrafish colon tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of zebrafish Neuropeptide Y protein using Zebrafish Neuropeptide Y antibody, HRP-labeled secondary and DAB substrate. Neuropeptide Y was detected in a paraffin-embedded section of zebrafish muscle tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of zebrafish Neuropeptide Y protein using Zebrafish Neuropeptide Y antibody, HRP-labeled secondary and DAB substrate. Neuropeptide Y was detected in a paraffin-embedded section of zebrafish eye tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

This gene encodes a neuropeptide that is widely expressed in the central nervous system and influences many physiological processes, including cortical excitability, stress response, food intake, circadian rhythms, and cardiovascular function. The neuropeptide functions through G protein-coupled receptors to inhibit adenylyl cyclase, activate mitogen-activated protein kinase (MAPK), regulate intracellular calcium levels, and activate potassium channels. A polymorphism in this gene resulting in a change of leucine 7 to proline in the signal peptide is associated with elevated cholesterol levels, higher alcohol consumption, and may be a risk factor for various metabolic and cardiovascular diseases. The protein also exhibits antimicrobial activity against bacteria and fungi.

## Application Notes

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

## Immunogen

E. coli-derived zebrafish Neuropeptide Y recombinant protein (amino acids G28-Q62) was used as the immunogen for the Zebrafish Neuropeptide Y antibody.

## Storage

After reconstitution, the Zebrafish Neuropeptide Y 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.