

Anti-Zebrafish LONP1 Antibody

Catalog Number: AZA0A0R4IH79

About LONP1

Lon protease homolog, mitochondrial is an enzyme that in humans is encoded by the LONP1 gene. It is mapped to 19p13.3. This gene encodes a mitochondrial matrix protein that belongs to the Lon family of ATP-dependent proteases. This protein mediates the selective degradation of misfolded, unassembled or oxidatively damaged polypeptides in the mitochondrial matrix. It may also have a chaperone function in the assembly of inner membrane protein complexes, and participate in the regulation of mitochondrial gene expression and maintenance of the integrity of the mitochondrial genome. Decreased expression of this gene has been noted in a patient with hereditary spastic paraplegia.

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Overview

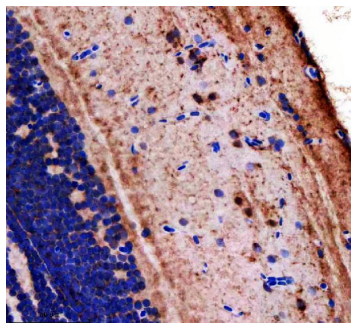
Product Name	Anti-Zebrafish LONP1 Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish LONP1 Antibody catalog #AZA0A0R4IH79. Tested in IHC applications. This antibody reacts with Zebrafish.
Application	IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	A0A0R4IH79

Technical Details

Immunogen	E.coli-derived zebrafish LONP1 recombinant protein (Position: I148-A334)
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

Anti-Zebrafish LONP1 Antibody (AZA0A0R4IH79) Images



IHC analysis of LONP1 using anti-LONP1 antibody (AZA0A0R4IH79). LONP1 was detected in a paraffin-embedded section of zebrafish brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-LONP1 Antibody (AZA0A0R4IH79) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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