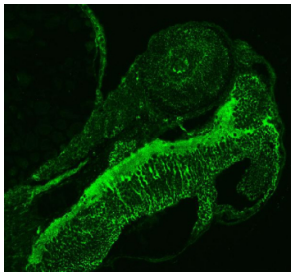
Zebrafish Abcc12 Antibody (RZ1325)

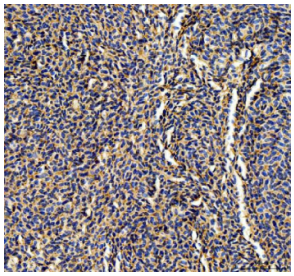
Catalog No.	Formulation	Size
RZ1325	0.5mg/ml in PBS with 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.	200 ul

Bulk quote request

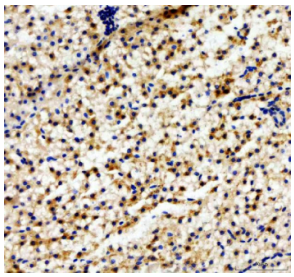
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
UniProt	F8W557
Applications	Immunofluorescence : 5ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Zebrafish Abcc12 antibody is available for research use only.



Immunofluorescent staining of FFPE zebrafish embryo tissue with Zebrafish Abcc12 antibody (green). HIER: steam section in pH8 EDTA buffer for 20 min.



IHC staining of FFPE zebrafish liver tissue with Abcc12 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE zebrafish colon tissue with Abcc12 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Zebrafish Abcc12 is a member of the ATP-binding cassette (ABC) transporter family, subfamily C. These transporters utilize ATP hydrolysis to move a variety of substrates across cellular membranes, including organic anions, lipids, and xenobiotics. Abcc12 is predicted to have multiple transmembrane domains and two nucleotide-binding domains characteristic of ABC transporters. In zebrafish, Abcc12 is thought to contribute to tissue-specific transport processes, potentially influencing developmental and physiological pathways.

Sequence analysis indicates that zebrafish Abcc12 has a clear ortholog in humans, known as ABCC12 (also called MRP9), which is expressed in select tissues and has been studied in the context of membrane transport functions. The conservation between zebrafish and human orthologs supports the use of zebrafish Abcc12 in comparative studies aimed at understanding ABC transporter biology and substrate specificity.

The **Abcc12 antibody** is a valuable reagent for detecting zebrafish Abcc12 in applications such as western blot, immunohistochemistry, and immunofluorescence. Researchers use the Abcc12 antibody from NSJ Bioreagents to examine protein expression patterns, assess subcellular localization, and explore its role in transport processes. With high specificity and consistent performance, the Abcc12 antibody supports targeted investigations into ABC transporter function and orthologous gene studies.

Application Notes

Optimal dilution of the Zebrafish Abcc12 antibody should be determined by the researcher.

Storage

Store the Zebrafish Abcc12 antibody at -20oC.