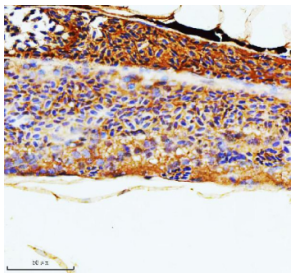
Zebrafish Rac1 Antibody / Rac family small GTPase 1a (RZ1007)

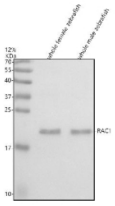
Catalog No.	Formulation	Size
RZ1007	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q7ZSZ9
Localization	Cytoplasm, cell membrane
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Rac1 antibody is available for research use only.



IHC staining of FFPE zebrafish kidney tissue with Zebrafish Rac1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot analysis of Rac1 protein using Rac1 antibody and 1) whole female zebrafish and 2) whole male zebrafish tissue lysate. Expected molecular weight ~22 kDa.

Description

Rac1, also known as Ras-related C3 botulinum toxin substrate 1, is a protein found in human cells. It is encoded by the RAC1 gene. This gene can produce a variety of alternatively spliced versions of the Rac1 protein, which appear to carry out different functions. This gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Zebrafish Rac1 antibody should be determined by the researcher.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of zebrafish Rac1 was used as the immunogen for the Zebrafish Rac1 antibody.

Storage

After reconstitution, the Zebrafish Rac1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.