

Zebrafish actba Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb10021c**Specification**

Zebrafish actba Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q7ZVI7
Other Accession	P60010 , P68136 , P68135 , P68137 , P68134 , P68133 , P68139 , P68138 , P63269 , P63268 , P63267 , P63270 , Q5E9B5 , A2BDB0 , P63259 , P63260 , P63261 , Q5ZMQ2 , P63258 , P04751 , P68035 , P68033 , P68032 , P68034 , Q3ZC07 , O93400 , P60711 , P29751 , Q6QAO1 , P60710 , Q4R561 , P60709
Reactivity	Zebrafish
Predicted	C.Elegans, Drosophila, Xenopus, Chicken, Bovine, Human, Mouse, Rabbit, Rat, Hamster, Horse, Monkey, Pig, Sheep, Yeast
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	188-215

Zebrafish actba Antibody (Center) - Additional Information**Gene ID** 57934**Other Names**

Actin, cytoplasmic 1, Beta-actin-1, Actin, cytoplasmic 1, N-terminally processed, actba, bact, bactin1, bactzf

Target/Specificity

This Zebrafish actba antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-215 amino acids from the central region of zebrafish actba.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Zebrafish actba Antibody (Center) is for research use only and not for use in diagnostic or

therapeutic procedures.

Zebrafish actba Antibody (Center) - Protein Information

Name actba

Synonyms bact, bactin1, bactzf

Function Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells. Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction. In addition to their role in the cytoplasmic cytoskeleton, G- and F-actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA.

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P60710}. Nucleus {ECO:0000250|UniProtKB:O93400}

Tissue Location

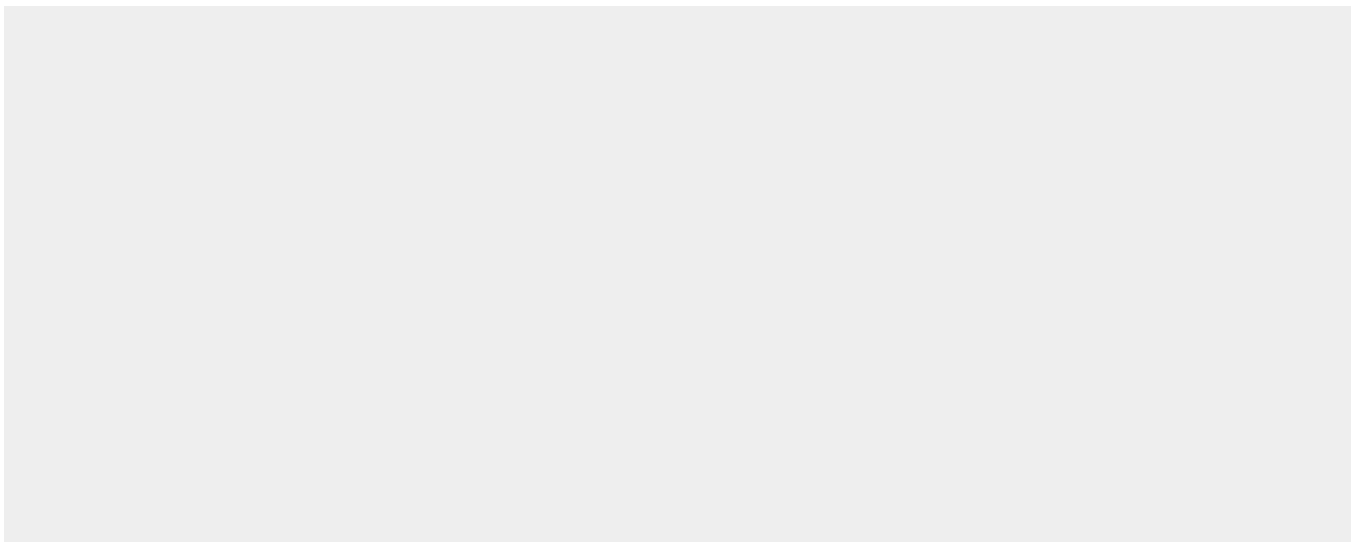
Skeletal muscle, heart, gill, digestive tissue and brain (PubMed:9987040). Widespread expression throughout the brain, with highest levels in regions where neuronal proliferation is greatest (PubMed:9987040).

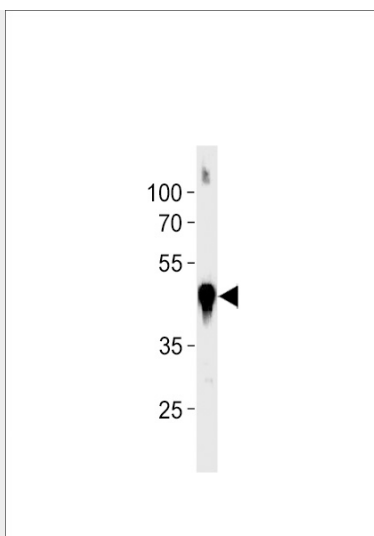
Zebrafish actba Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

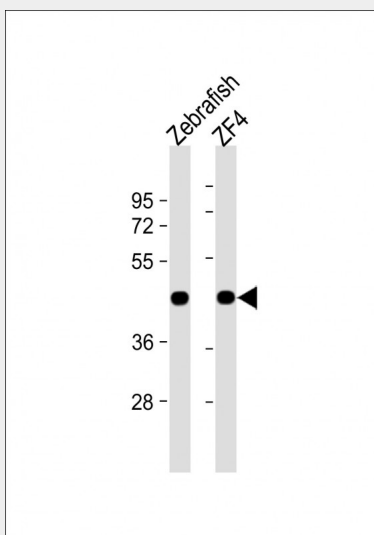
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Zebrafish actba Antibody (Center) - Images





Zebrafish actba Antibody (Center) (Cat. #Azbl0021c) western blot analysis in zebrafish muscle tissue lysates (35ug/lane). This demonstrates the Zebrafish actba antibody detected the zebrafish actba protein (arrow).



All lanes : Anti-Zebrafish actba Antibody (Center) at 1:1000 dilution Lane 1: zebrafish lysate Lane 2: ZF4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Zebrafish actba Antibody (Center) - Background

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Zebrafish actba Antibody (Center) - References

Barrallo A., et al. Eur. J. Neurosci. 11:369-372(1999).