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DANRE actba Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb10021c

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, Q6QAQ1, P60710, Q4R561, P60709
Reactivity	Zebrafish
Predicted	C.Elegans, Drosophila, Xenopus, Chicken, Bovine, Human, Mouse, Rabbit, Rat, Hamster, Monkey, Pig, Yeast, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41767
Antigen Region	188-215

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 DANRE actba antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-215 amino acids from the Central region of DANRE actba.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	DANRE actba Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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).

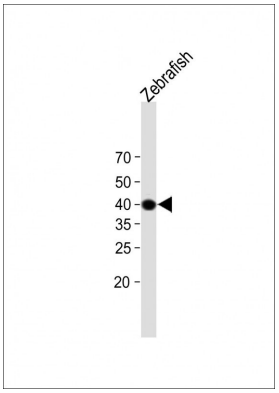
Background

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

References

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

Images



All lanes : Anti-DANRE actba Antibody (Center) at 1:2000 dilution Lane 1: Zebrafish whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 45kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.