

Ab1-fras1

Antibody Name:	Ab1-fras1 from the ZFIN antibody database .
Other names, clone ids, catalog ids etc.	anti-zebrafish Fras1 , fras1
Does it work on zebrafish?	yes
Host organism	Rabbit
Immunogen organism	Zebrafish
Antibody isotype	
Antibody type	polyclonal
Anatomical structures recognized (use terms from the ZFIN Anatomical Ontology)	caudal fin ; myoseptum ; somite border
Recognized target molecules (gene names, domains, epitopes ...)	fras1
Suppliers	Kimmel Lab

Assays Tested

Assay	Prep	Worked	Notes
immunohistochemistry		yes	from ZFIN curation

Notes

- Imported from ZFIN Antibody page [Ab1-fras1](#)
- An antibody against zebrafish Fras1 was generated by cloning the cDNA region encoding amino acids A1210 to H1525 of the Fras1 protein (predicted size: 34.5 kDa) into the prokaryotic expression vector pGEX-2TK-P (GE Healthcare) containing a glutathione S-transferase (GST) tag. This fragment corresponds to that used by Vrontou et al. to generate a specific antibody against mouse Fras1. Recombinant protein was expressed in E. coli BL21 cells, purified via glutathione affinity chromatography, and used to immunise rabbits (Pineda Antikoürper Service, Berlin, Germany). Obtained sera were tested for immunogenicity by western blot and ELISA analysis. Immunoreactive sera were affinity-purified against the same recombinant Fras1 fragment used for immunization, coupled to CNBr-activated sepharose. ([Carney, T.J.](#), [Feitosa, N.M.](#), [Sonntag, C.](#), [Slanchev, K.](#), [Kluger, J.](#), [Kiyozumi, D.](#), [Gebauer, J.M.](#), [Coffin Talbot, J.](#), [Kimmel, C.B.](#), [Sekiguchi, K.](#), [Wagener, R.](#), [Schwarz, H.](#), [Ingham, P.W.](#), and [Hammerschmidt, M.](#))
- [Citations for Ab1-fras1 at ZFIN](#)