

Ab1-scg2a

Antibody Name:	Ab1-scg2a from the ZFIN antibody database .
Other names, clone ids, catalog ids etc.	anti-secretoneurin a , anti-SNa , scg2a
Antibody Registry ID.	
Does it work on zebrafish?	yes
Host organism	Rabbit
Immunogen organism	Goldfish
Antibody isotype	
Antibody type	polyclonal
Anatomical structures recognized (use terms from the ZFIN Anatomical Ontology)	hypophysis
Recognized target molecules (gene names, domains, epitopes ...)	scg2a
Suppliers	

Assays Tested

Assay	Prep	Worked	Notes
western blot		yes	from ZFIN curation

Notes

- Imported from ZFIN Antibody page [Ab1-scg2a](#)
- In zebrafish and other teleost fishes, two paralogous genes, scg2a and scg2b, generate secretoneurin peptides SNa and SNb, respectively (Zhao et al., 2010, PMID: 20006654). SNa antiserum was raised against a peptide derived from goldfish SNa (YTPQKLATLQSVFEE). This antibody recognizes zebrafish SNa but not SNb. goldfish SNa: TNENAEQYTPQKLATLQSVFEELSGIAASNANS zebrafish SNa: TNENAEQYTPQKLATLQSVFEELSGIASSKTNT zebrafish SNb: ATEDLDEQYTPQSLANMRSIFEELGKLSAAQ ([Tao, B.](#), [Hu, H.](#), [Mitchell, K.](#), [Chen, J.](#), [Jia, H.](#), [Zhu, Z.](#), [Trudeau, V.L.](#), [Hu, W.](#))
- [Citations for Ab1-scg2a at ZFIN](#)