

# Ab1-scg2a

Antibody Name:	Ab1-scg2a from the <a href="#">ZFIN antibody database</a> .
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 <a href="#">ZFIN Anatomical Ontology</a> )	<a href="#">hypophysis</a>
Recognized target molecules (gene names, domains, epitopes ...)	<a href="#">scg2a</a>
Suppliers	

## Assays Tested

Assay	Prep	Worked	Notes
western blot		yes	from <a href="#">ZFIN curation</a>

## 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](#)