

Ab1-scg2a

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| 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](#)