

# Ab1-asic4b

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|--|---|
| Antibody Name:   | Ab1-asic4b from the <a href="#">ZFIN antibody database</a> .  |
| Other names, clone ids, catalog ids etc.   | anti-zASIC4.2 , anti-zebrafish ASIC4b , asic4b  |
| Antibody Registry ID.  |   |
| Does it work on zebrafish?   | yes   |
| Host organism  | Rabbit  |
| Immunogen organism   | Zebrafish   |
| Antibody isotype   |   |
| Antibody type  | polyclonal  |
| Anatomical structures recognized<br>(use terms from the <a href="#">ZFIN Anatomical Ontology</a> ) | <a href="#">gill</a> ; <a href="#">gill filament vH ionocyte</a> ; <a href="#">gill lamella</a> ; <a href="#">vH ionocyte</a> |
| Recognized target molecules (gene names, domains, epitopes ...)                                    | <a href="#">asic4b</a>  |
| Suppliers  |   |

## Assays Tested

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

## Notes

- Imported from ZFIN Antibody page [Ab1-asic4b](#)
- An anti-zebrafish ASIC4b (zASIC4.2) polyclonal antibody against two peptides corresponding to regions near the NH2 terminus (aa 146-160; PKSRKGHRPSELQYP) and the COOH terminus (aa 519-533; CFEEVKVKAANDVAQP) of ASIC4.2 protein (accession no. Q708S3.1) was custom-made by 21st Century Biochemicals (Marlboro, MA). The polyserum was affinity-purified against each of these peptides independently. ([Dymowska, A.K.](#), [Schultz, A.G.](#), [Blair, S.D.](#), [Chamot, D.](#), [Goss, G.G.](#))
- [Citations for Ab1-asic4b at ZFIN](#)