

# Anti-Zebrafish Basolateral Pole of Cells [FIS 2H9/1]

**Catalogue number:** 151515

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Linda Ariza-McNaughton

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Zebrafish Basolateral Pole of Cells [FIS 2H9/1]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** This antibody is a useful marker of apicobasal polarity in the epithelium.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Zebrafish

**Selectivity:**

**Host:** Mouse

**Immunogen:** Lysate of zebrafish intestine

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Zebrafish Basolateral Pole of Cells

**Target alternate names:**

**Target background:** The transparency of the juvenile zebrafish and its genetic advantages make it an attractive model for the study of intestinal differentiation and renewal. Antibody 2H9 recognises a membrane-associated epitope on the gut epithelial cells, concentrated basolaterally. In one month old zebrafish it appears especially prominent in the basal parts of the elongated cells of the villi.

**Molecular weight:** 170 kDa

**Ic50:**

## Applications

**Application:** IHC ; IHC ; IF ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:** Anti-Zebrafish gut secretory cell epitopes [FIS 6G5/1] ; Anti-Zebrafish gut secretory cell epitopes [FIS 4B7/2] ; Anti-Zebrafish gut absorptive cell epitopes [FIS 4E8/1] ; Anti-Zebrafish basement membrane marker [FIS 5F11/2] ; Anti-Zebrafish Basolateral Pole of Cells [FIS 2H9/1] ; Anti-Zebrafish Basolateral Pole of Cells [FIS 2H9/1] ; Anti-Zebrafish gut secretory cell epitopes [FIS 2F11/2] ; Anti-Zebrafish gut absorptive cell epitopes [FIS 4E8/1]

## References

**References:** Matthews et al. 2008. Dev Dyn. 237(1):124-31. PMID: 18095340. ; Transcription factor onecut3 regulates intrahepatic biliary development in zebrafish. ; Dong et al. 2007. Nat Genet. 39(3):397-402. PMID: 17259985. ; Fgf10 regulates hepatopancreatic ductal system patterning and differentiation. ; Bates et al. 2006. Dev Biol. 297(2):374-86. PMID: 16781702. ; Distinct signals from the microbiota promote different aspects of zebrafish gut differentiation. ; Crosnier et al. 2005. Development. 132(5):1093-104. PMID: 15689380. ; Delta-Notch signalling controls commitment to a secretory fate in the zebrafish intestine.

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