

## FXYD4 rabbit monoclonal antibody

Catalog # H00053828-K

Size 100 ug x up to 3

### Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human FXYD4 peptide using ARM Technology.                                                                                                                                                                                        |
| <b>Immunogen</b>               | A synthetic peptide of human FXYD4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                        |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody reactive against human FXYD4 peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                     |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — FXYP4

Entrez GeneID [53828](#)

GeneBank Accession# [FXYP4](#)

Gene Name FXYP4

Gene Alias CHIF

Gene Description FXYP domain containing ion transport regulator 4

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYP and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYP-domain containing ion transport regulator. FXYP4, originally named CHIF for channel-inducing factor, has been shown to modulate the properties of the Na,K-ATPase, as has FXYP2, also known as the gamma subunit of the Na,K-ATPase, and FXYP7. Transmembrane topology has been established for FXYP4 and two family members (FXYP1 and FXYP2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. [provided by RefSeq]

**Other Designations**

FXYP domain-containing ion transport regulator 4|OTTHUMP00000035334|channel-inducing factor