

## Rabbit anti-Mouse FGD2 Polyclonal Antibody | anti-FGD2 antibody

FGD2 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA284033 | Rabbit | Mouse      | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

FGD2; Polyclonal Antibody; FGD2 Antibody (C-term); FYVE; RhoGEF and PH domain-containing protein 2; Zinc finger FYVE domain-containing protein 4; ZFYVE4; anti-FGD2 antibody

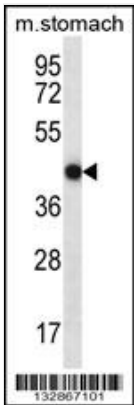
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Mouse                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This FGD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 508-537 amino acids from the C-terminal region of human FGD2.         |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 508-537                                                                                                                                                                      |
| Sequence Length                                | 655                                                                                                                                                                          |
| Applicable Applications for anti-FGD2 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**IHC (Immunohiostchemistry)**  
FGD2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FGD2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
FGD2 Antibody (C-term) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the FGD2 antibody detected the FGD2 protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FGD2 antibody | FGD2 activates CDC42, a member of the Ras-like family of Rho-and Rac proteins, by exchanging bound GDP for free GTP. Activates JNK1 via CDC42 but not RAC1. Binds to phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate (By similarity). |
| Product Categories/Family for anti-FGD2 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                        |
| References                                         | Huber, C., et al. J. Biol. Chem. 283(49):34002-34012(2008)<br>Delague, V., et al. Am. J. Hum. Genet. 81(1):1-16(2007)<br>Mungall, A.J., et al. Nature 425(6960):805-811(2003)<br>Rabizadeh, S., et al. Cytokine Growth Factor Rev. 14 (3-4), 225-239 (2003) :<br>Salehi, A.H., et al. J. Biol. Chem. 277(50):48043-48050(2002)                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 189217917                                              |
| NCBI GeneID                      | 221472                                                 |
| NCBI Accession #                 | NP_775829.2                                            |
| NCBI GenBank Nucleotide #        | NM_173558.3                                            |
| UniProt Accession #              | Q7Z6J4; Q5T8I1; Q6P6A8; Q6ZNL5; Q8IZ32; Q8N868; Q9H7M2 |
| Molecular Weight                 | 74892                                                  |
| NCBI Official Full Name          | FYVE, RhoGEF and PH domain-containing protein 2        |
| NCBI Official Synonym Full Names | FYVE, RhoGEF and PH domain containing 2                |
| NCBI Official Symbol             | FGD2                                                   |
| NCBI Official Synonym Symbols    | ZFYVE4                                                 |
| NCBI Protein Information         | FYVE, RhoGEF and PH domain-containing protein 2        |
| UniProt Protein Name             | FYVE, RhoGEF and PH domain-containing protein 2        |
| UniProt Gene Name                | FGD2                                                   |

|                            |            |
|----------------------------|------------|
| UniProt Synonym Gene Names | ZFYVE4     |
| UniProt Entry Name         | FGD2_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fgd2-antibody-immunohistochemistry-western-blot-elisa/284033>