

**FGD1 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12071****Specification**

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**FGD1 antibody - N-terminal region - Product Information**

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Application       | WB                                                    |
| Primary Accession | <a href="#">P98174</a>                                |
| Other Accession   | <a href="#">NM_004463</a> , <a href="#">NP_004454</a> |
| Reactivity        | Human, Rat, Pig, Bovine                               |
| Predicted         | Human, Rabbit, Pig, Bovine, Dog                       |
| Host              | Rabbit                                                |
| Clonality         | Polyclonal                                            |
| Calculated MW     | 106kDa KDa                                            |

**FGD1 antibody - N-terminal region - Additional Information****Gene ID 2245**Alias Symbol **AAS, FGDY, ZFYVE3, MRXS16****Other Names**

FYVE, RhoGEF and PH domain-containing protein 1, Faciogenital dysplasia 1 protein, Rho/Rac guanine nucleotide exchange factor FGD1, Rho/Rac GEF, Zinc finger FYVE domain-containing protein 3, FGD1, FGDY, ZFYVE3

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-FGD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

FGD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**FGD1 antibody - N-terminal region - Protein Information****Name** FGD1**Synonyms** FGDY, ZFYVE3**Function**

Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Plays a role in regulating the actin cytoskeleton and cell shape.

**Cellular Location**

Cytoplasm. Cell projection, lamellipodium. Cell projection, ruffle Cytoplasm, cytoskeleton.

Note=Associated with membrane ruffles and lamellipodia.

#### Tissue Location

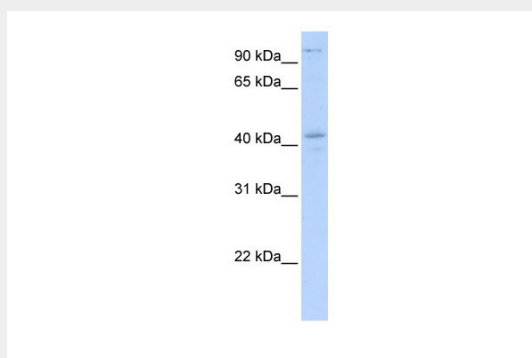
Expressed in fetal heart, brain, lung, kidney and placenta. Less expressed in liver; adult heart, brain, lung, pancreas and skeletal muscle

#### FGD1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### FGD1 antibody - N-terminal region - Images



WB Suggested Anti-FGD1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Transfected 293T

#### FGD1 antibody - N-terminal region - References

Bottani, A., (2007) Am. J. Med. Genet. A 143A(19), 2334-2338 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. Publications: Zou, W. et al. MLK3 regulates bone development downstream of the facio-genital dysplasia protein FGD1 in mice. J. Clin. Invest. 121, 4383-92 (2011). WB, Human, Bovine, Pig, Rat 21965325