SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-FGD6 antibody

**Catalog Number: SL16082R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | FGD6 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human FGD6: 1331-1430/1430 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | ELISA=1:5000-10000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human, Mouse) |
| **Predicted MW.:** | 161kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | FGD6 is a 1,430 amino acid cytoplasmic protein that belongs to the FGD family and exists as two alternatively spliced isoforms. Thought to activate Cdc42 by exchanging bound GDP for free GTP, FGD6 is also implicated in maintenance of the actin cytoskeleton and regulating cell shape. Encoded by a gene that maps to human chromosome 12q22, FGD6 contains one FYVE-type zinc finger, two PH domains and a single DH (DBL-homology) domain.<br>**Function:** FGD6 may activate CDC42 by exchanging bound GDP for free GTP. It may also play a role in regulating the actin cytoskeleton and cell shape. There are two isoforms.<br>**Subcellular Location:** Cytoplasm (Probable). Cytoplasm, cytoskeleton (Probable).<br>**Database links:**<br>**Entrez Gene:** 55785 Human<br>**SwissProt:** Q6ZV73 Human |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | **Unigene:** 506381 Human |

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