

FGD2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56108

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q7Z6J4
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74892

Additional Information

Gene ID	221472
Other Names	FYVE, RhoGEF and PH domain-containing protein 2, Zinc finger FYVE domain-containing protein 4, FGD2, ZFYVE4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FGD2
Synonyms	ZFYVE4
Function	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).
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm. Nucleus. Early endosome Early endosome membrane. Cell projection, ruffle membrane. Note=Recruitment to the endosome and ruffle membrane requires the presence of phosphoinositides.