

Datasheet for ABIN7581189 **anti-PIKFYVE antibody**



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Overview

Quantity:	10 µg
Target:	PIKFYVE
Reactivity:	Various Species
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit polyclonal antibody to murine PIKfyve with reactivity to mouse/rat and human PIKfyve
Immunogen:	synthetic fusion peptide of aa 1-100
Isotype:	IgG
Specificity:	The PIKfyve antibody is directed at an N-terminal region of PIKfyve and detects mammalian forms of PIKfyve with an expected molecular weight of approximately 237 kDa.
Purification:	affinity purified using Protein A chromatography

Target Details

Target:	PIKFYVE
Alternative Name:	PIKfyve (PIKFYVE Products)
Background:	PIKfyve (aka PIP5K3) is an approximately 237 kDa lipid kinase enzyme. It is primarily found on early endosomes where it synthesizes PI(3,5)P2 from membrane-associated PI(3)P. Endosomal PIKfyve forms a complex with ArPIKfyve (Vac14) and Sac3 to regulate fusion,

Target Details

transport, and export of endosomes in the cell. PIKfyve also has protein kinase activity in the form of self-regulatory autophosphorylation.

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: IF/ICC – 2-5 ug/mL Western – 1.0 ug/mL Immunoprecipitation – 1.0 ug/mL Other in vitro and cellular applications are possible using this antibody, but have not been verified.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, pH 7.4

Storage: 4 °C,-20 °C

Storage Comment: protect from direct light and store at 4°C for up to 30 days. For long term storage, aliquot and store at -80°C. Avoid repeated freeze/thaw cycles.