

PAA383Mu01
Polyclonal Antibody
To Phosphoinositide-3-Kinase Class-2-Alpha Polypeptide (PIK3C2a)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: PIK3C2a, Mouse

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant PIK3C2a (Lys349~Pro611) expressed in *E.coli*.

Accession No.: RPA383Mu01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.

MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV
DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK
KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPKSD GSTSGSGHHH HHSAGLVPR
GSTAIGMKET AAKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-KA QGQVSQKDPN
GTSSLPTGSS LLQEFEVQND EVAAFCQSIM KLKTKFPYTD HCTNPGYLLS PVTVQRNMCG
ENASVKVSIE IEGLQLPVT F TCDVSSTVEI IIMQALCWVH DDLNQVDVGS YILKVCQGEE
VLQNNHCLGS HEHIQNCRKW DTEIKLQLLT LSAMCQNLAR TAEDDEAPVD LNKYLYQIEK
PYKEVMTRHP VEELLD SYHY QVELALQTEN QHRAVDQVIK AVRKICSALD GVETPSVTEA
VKKLKRAVNL P

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against PIK3C2a. It has been selected for its ability to recognize PIK3C2a in immunohistochemical staining and

western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

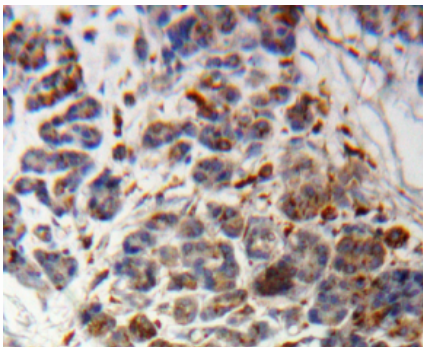
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

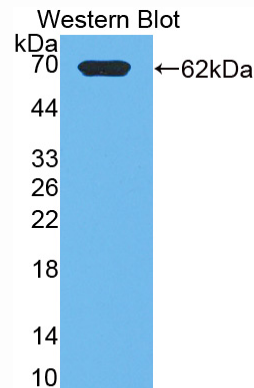
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



Used in DAB staining on formalin fixed paraffin-embedded Pancreas tissue



Used in Western Blot, Sample: Recombinant PIK3C2a, Mouse

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant PIK3C2a (Lys349~Pro611) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.