

PI4KA Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22156c**Specification**

PI4KA Antibody (Center) - Product Information

Application	WB,E
Primary Accession	E9Q3L2
Other Accession	P42356 , O02811 , O08662
Reactivity	Mouse
Predicted	Bovine, Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Antigen Region	1460-1490

PI4KA Antibody (Center) - Additional Information**Gene ID** 224020**Other Names**

Phosphatidylinositol 4-kinase alpha, PI4-kinase alpha, PI4K-alpha, PtdIns-4-kinase alpha, 2.7.1.67, PI4KA, PIK4, PIK4CA

Target/Specificity

This PI4KA antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1460-1490 amino acids of mouse PI4KA.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PI4KA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PI4KA Antibody (Center) - Protein Information**Name** Pi4ka {ECO:0000312|MGI:MGI:2448506}

Synonyms Pik4, Pik4ca

Function Acts on phosphatidylinositol (PtdIns) in the first committed step in the production of the second messenger inositol-1,4,5,- trisphosphate.

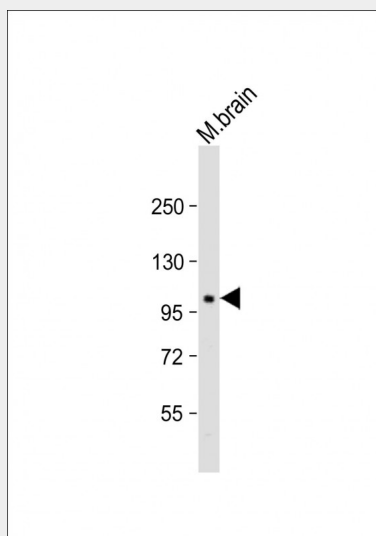
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P42356}. Cell membrane {ECO:0000250|UniProtKB:P42356}. Note=Localization to the plasma membrane is mediated by the PI4K complex and association with EFR3 (EFR3A or EFR3B), TTC7 (TTC7A or TTC7B) and HYCC (HYCC1 or HYCC2) Localization to the plasma membrane is regulated by TMEM150A {ECO:0000250|UniProtKB:P42356}

PI4KA Antibody (Center) - 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](#)

PI4KA Antibody (Center) - Images

Anti-PI4KA Antibody (Center) at 1:2000 dilution + mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 237 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PI4KA Antibody (Center) - Background

Acts on phosphatidylinositol (PtdIns) in the first committed step in the production of the second messenger inositol- 1,4,5,-trisphosphate.

PI4KA Antibody (Center) - References

Wong K.,et al.J. Biol. Chem. 269:28878-28884(1994).
Gehrmann T.,et al.Biochim. Biophys. Acta 1437:341-356(1999).
Dunham I.,et al.Nature 402:489-495(1999).
Daub H.,et al.Mol. Cell 31:438-448(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).