

PI4KA Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22156c-200 □

Specification

PI4KA Antibody (Center) - Product info

Application	WB
Primary Accession	P42356
Other Accession	O02811 , O08662
Reactivity	Mouse
Predicted	Rat, Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	RB56225

PI4KA Antibody (Center) - Additional info

Gene ID 5297

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 1388-1422 amino acids from the Central region of human PI4KA.

Dilution

WB~1:2000

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.

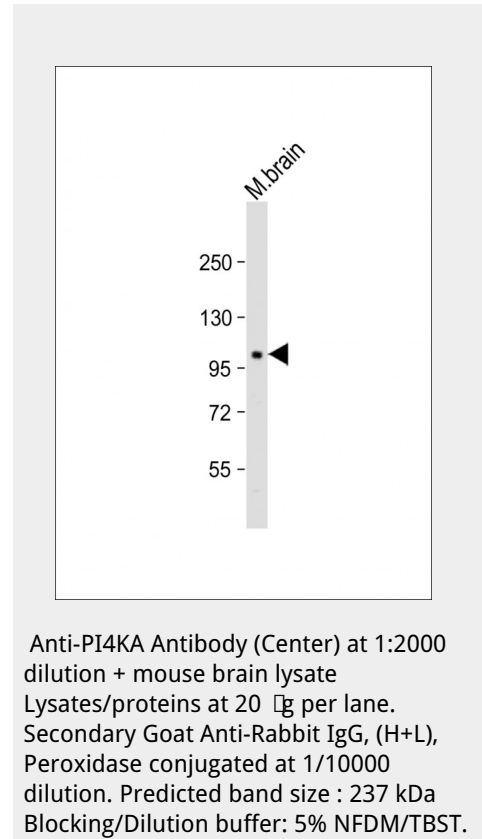
PI4KA Antibody (Center) - Protein Information

Name PI4KA

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. Cell membrane Note=Localization to the plasma membrane is mediated by the PI4K complex and association with EFR3 (EFR3A or EFR3B), TTC7 (TTC7A or TTC7B) and FAM126 (FAM126A or FAM126B) (PubMed:23229899) Localization to the plasma membrane is regulated by TMEM150A (PubMed:25608530).

Tissue Location

Expressed ubiquitously. Highest levels in placenta and brain. Little or no expression in lung, liver, pancreas, testis or leukocytes.

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) - 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). Gehrman 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).