

**Anti-P13KC3 N-term
Polyclonal Antibody
#B50245**

B50245__0240849/

Lot Number 0240849
Certified By Bryan Macilko
**Quality
Controlled By** Jackie Jaskula
Quantity 100 µg

**Full activity guaranteed through March 2009.
This certificate is a declaration of analysis at the time of manufacture.**

Description

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.

Antigen

KLH-conjugated synthetic peptide corresponding to amino acids 39-54 of human P13KC3.

Other Names

Phosphoinositide-3-kinase, class 3; Vps34

Applications and Dilutions

Western blotting 1:100–500
ELISA 1:1000

Isotype Rabbit Ig

Specificity human

Accession Number NP 002638

Molecular Weight 101 kDa

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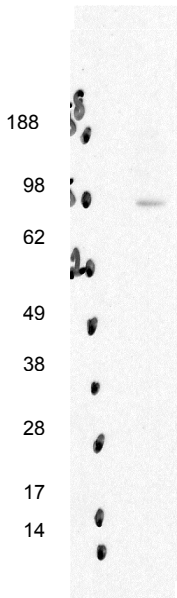
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Specificity human

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Molecular Weight 101 kDa



The anti-P13KC3 N-term Pab is used in Western blot to detect P13KC3 in HeLa cell lysate.

Storage Buffer

The antibody is supplied in PBS with 0.09% (w/v) sodium azide.

Shipping Conditions

The Anti-P13KC3 N-term antibody is shipped with an ice pack.

Storage Conditions

The antibody should be stored at -20°C for long term storage and can be stored at 4°C for up to six months. Avoid repeated freeze-thaws.

Testing Conditions

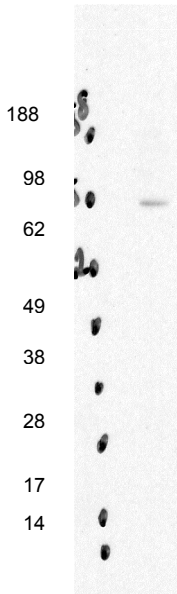
Anti-P13KC3 N-term-expressing cell lysates are resolved by PAGE and analyzed by Western blotting using the recommended antibody dilution.

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References

1. Blume-Jensen P, et al. *Nature* 2001. 411: 355.
2. Cantrell D, J. *Cell Sci.* 2001. 114: 1439.
3. Jhiang S *Oncogene* 2000. 19: 5590.
4. Manning G, et al. *Science* 2002. 298: 1912.
5. Moller, D, et al. *Am. J. Physiol.* 1994. 266: C351-C359.
6. Robertson, S, et al. *Trends Genet.* 2000. 16: 368.
7. Robinson D, et al. *Oncogene* 2000. 19: 5548.
8. Van der Ven, P, et al. *Hum. Molec. Genet.* 1993. 2: 1889.
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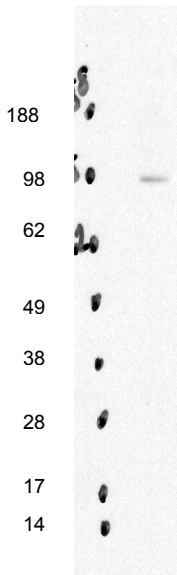
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