

Product Information

Anti-PI3K

antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW21071**

Formerly listed as GenWay Catalog Number 15-288-21071,
Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic
subunit beta isoform Antibody.

Storage Temperature Store at -20 °C

Synonyms: Phosphoinositide-3-kinase, catalytic, beta polypeptide, EC 2.7.1.153; PI3-kinase p110 subunit beta; PtdIns-3-kinase p110; PI3K; PI3Kbeta

Product Description

Phosphorylates PtdIn., PtdIns4P, and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. They have been implicated as participants in signaling pathways regulating cell growth by virtue of their activation in response to various mitogenic stimuli. PI3Ks are composed of a 110 kDa catalytic subunit, such as PIK3CB and an 85-kDa adaptor subunit.

NCBI Accession number: NP_006210.1

Swiss Prot Accession number: P42338

Gene Information: Human .. PIK3CB (5291)

Immunogen: Recombinant protein Phosphoinositide-3-kinase, catalytic, beta polypeptide

Immunogen Sequence: GI # 5453894, sequence 58 - 134

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.