Phospho-PI 3 kinase p85 alpha /gamma (Tyr467/199) Polyclonal Antibody

catalog number: E-AB-20966

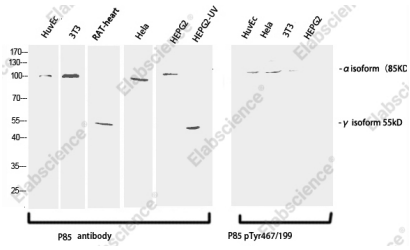
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat;Monkey
Immunogen	Synthesized peptide derived from human PI 3-kinase p85/p55 around the phosphorylation site of Tyr467/199
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:200-1:1000

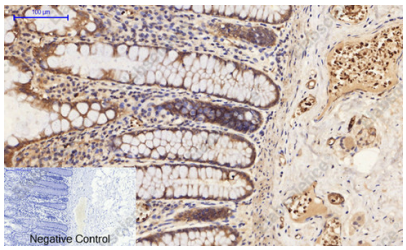
Data



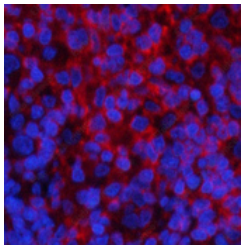
Western Blot analysis of various cells using Phospho-PI 3 kinase p85 alpha /gamma (Tyr467/199) Polyclonal Antibody at dilution of 1:1000

Observed-MW:55+85 kDa

Calculated-MW:54 +83 kDa



Immunohistochemistry of paraffin-embedded Human colon tissue using Phospho-PI 3 kinase p85 alpha /gamma (Tyr467/199) Polyclonal Antibody at dilution of 1:200



Immunofluorescence analysis of Rat spleen tissue using Phospho-PI 3 kinase p85 alpha /gamma (Tyr467/199) Polyclonal Antibody at dilution of 1:200

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Toll-free: 1-888-852-8623
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Background

The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

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