

35-1725: Polyclonal Antibody to PI3 Kinase p85/p55(Ab-467/199)

Clonality :	Polyclonal
Application :	IHC
Reactivity :	Human,Mouse,Rat
Gene :	PIK3R1
Gene ID :	5295
Uniprot ID :	P27986 /Q92569
Format :	Purified
Alternative Name :	p85,AGM7,p85-ALPHA,p55,p55-GAMMA
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.465~469(L-Y-E-E-Y) derived from Human PI3 Kinase p85/p55.

Description

PI3K binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Stoyanov, B. et al. (1995) Science 269, 690-3. Simpson, L. and Parsons, R. (2001) Exp Cell Res 264, 29-41. Neri, L.M. et al. (2002) Biochim Biophys Acta 1584, 73-80.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 55, 85kd, Immunohistochemistry: 1:50~1:100

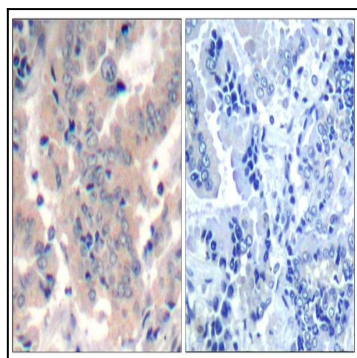


Figure 1: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PI3K P85 a/g/b(Ab-467/199/464) Antibody 35-1725 (left) or the same antibody preincubated with blocking peptide(right).