

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

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	PIK3R1
<b>Gene ID :</b>	5295
<b>Uniprot ID :</b>	P27986 /Q92569
<b>Format :</b>	Purified
<b>Alternative Name :</b>	p85,AGM7,p85-ALPHA,p55,p55-GAMMA
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	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

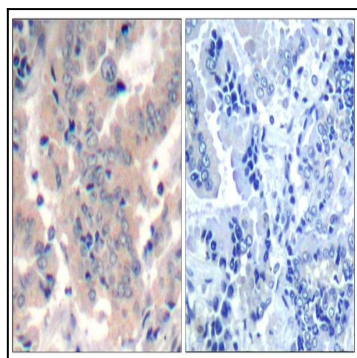


Figure 1: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PI3K P85 a/g/b(Ab-467/199/464) Antibody 35-1725 (left) or the same antibody preincubated with blocking peptide(right).