

35-1218: Polyclonal Antibody to eIF4E (Phospho-Ser209)

Clonality :	Polyclonal
Application :	WB,IHC,IF
Reactivity :	Human
Gene :	EIF4E
Gene ID :	1977
Uniprot ID :	P06730
Format :	Purified
Alternative Name :	mRNA cap-binding protein, eIF-4F 25 kDa subunit
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of serine 209 (S-G-S(p)-T-T) derived from Human eIF4E.

Description

Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. Li BD, et al. (1998) Ann Surg; 227(5): 756-763 Altmann M, et al. (1989) Nucleic Acids Res; 17(18): 7520 De Gregorio E, et al. (2001) RNA; 7(1): 106-113 Gu W, et al. (2004) Nucleic Acids Res; 32(15): 4448-4461

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: 25kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

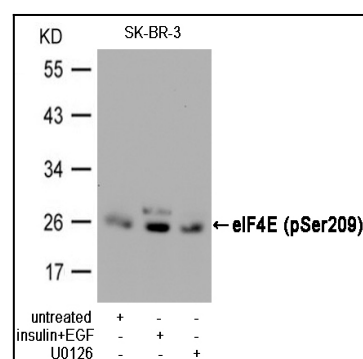


Figure 1: Western blot analysis of extracts from SK-BR-3 cells, untreated or insulin and EGF treated, and pretreated with U0126 cells, using eIF4E (Phospho-Ser209) Antibody 35-1218 .

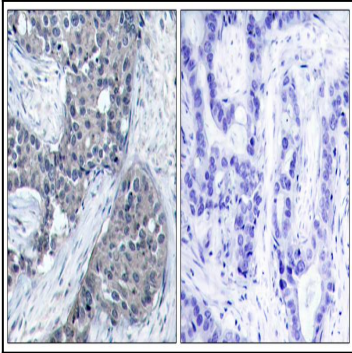


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using eIF4E(Phospho-Ser209) Antibody 35-1218 (left) or the same antibody preincubated with blocking peptide(right).

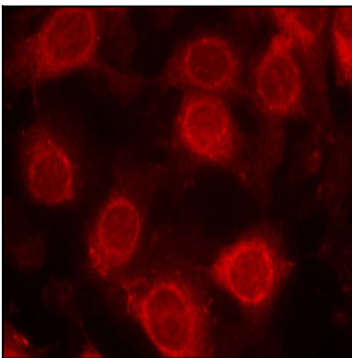


Figure 3: Immunofluorescence staining of methanol-fixed MCF cells using eIF4E(Phospho-Ser209) Antibody 35-1218 .