### bsm-52152R

## [ Primary Antibody ]

# phospho-eIF4E (Ser209) Recombinant Rabbit mAb



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– DATASHEFT ————		400-901-9800	
Host: Rabbit	<b>Isotype:</b> IgG	Applications: WB (1:500-2000)	
Clonality: Recombinant	CloneNo.: 2B1	IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200)	
<b>GeneID:</b> 1977	SWISS: P06730		
Target: phospho-eIF4E (Ser20)	9)	ICC/IF (1:50-200)	
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human eIF4E around the phosphorylation site of Ser209: SG(p-S)TT.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, Horse)	
Purification: affinity purified by Protein A			
Concentration: 1mg/ml		Predicted	
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		MW.: <sup>24 kDa</sup> Subcellular Location: <sup>Cytoplasm</sup> , Nucleus	
<b>Background:</b> eIF4E, a protein modu embryos before the or influences the overall methyl GTP cap struct eIF4E on serine 209 reg methyl GTP cap and/o interaction of eIF4E wi eIF4F. eIF4E phosphor translational rate in a currently being investi including PKC and/or t	ates translation of maternal mRNAs in early iset of zygotic transcription. eIF4E also rate of translation. eIF4E binds to the 7 ure of eukaryotic mRNAs. Phosphorylation of gulates the affinity of this protein for the 7 r RNA. Phosphorylation also enhances the th eIF4G, which form a complex known as ylation is correlated with increased number of cell types. Several kinases are gated as potential regulators of eIF4E the MAP kinase activated Mnk.	F	

#### - VALIDATION IMAGES



Sample: Lane 1: Pancreas (Mouse) Lysate at 40 ug Lane 2: Lymph node (Rat) Lysate at 40 ug Lane 3: Cerebrum (Rat) Lysate at 40 ug Lane 4: Pancreas (Rat) Lysate at 40 ug Lane 5: Hela (Human) Cell Lysate at 30 ug Lane 6: 293T (Human) Cell Lysate at 30 ug Lane 7: MCF-7 (Human) Cell Lysate at 30 ug Lane 8: SH-SY5Y (Human) Cell Lysate at 30 ug Primary: Antiphospho-eIF4E (Ser209) (bsm-52152R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 25 kD

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-eIF4E (Ser209)) Monoclonal Antibody, Unconjugated (bsm-52152R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-eIF4E (Ser209)) Monoclonal Antibody, Unconjugated (bsm-52152R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

### - SELECTED CITATIONS -

• [IF=31.745] Shan-shan Liu. et al. The chemokine CCL1 triggers an AMFR-SPRY1 pathway that promotes differentiation of lung fibroblasts into myofibroblasts and drives pulmonary fibrosis. Immunity. 2021 Aug;: WB ; mouse . 34407391