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## Product Datasheet

### **4E Binding Protein 1, phosphorylated (Thr37/46) (Protein Synthesis Initiation Factor 4E Binding Protein, eIF-4EBP1, PHAS-1, PHAS-I, Eukaryotic Translation Initiation Factor BP), Clone: [9B142236B4], Rabbit, Monoclonal USB-0004-18J**

Article Name	4E Binding Protein 1, phosphorylated (Thr37/46) (Protein Synthesis Initiation Factor 4E Binding Protein, eIF-4EBP1, PHAS-1, PHAS-I, Eukaryotic Translation Initiation Factor BP), Clone: [9B142236B4], Rabbit, Monoclonal
Biozol Catalog Number	USB-0004-18J
Supplier Catalog Number	0004-18J
Alternative Catalog Number	USB-0004-18J-100
Manufacturer	US Biological
Host	Rabbit
Category	Antikörper
Application	FC, IF, IHC, WB
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Thr37 and Thr46 of mouse 4E-BP1
Product Description	When bound to eIF4E, 4E-BP1 (also known as PHAS-1) inhibits cap-dependent translation. Upon hyperphosphorylation of 4E-BP1 this interaction is disrupted and cap-dependent translation is activated. Both the PI3 kinase/Akt pathway and FRAP/mTOR kinase ...
Clonality	Monoclonal
Clone Designation	[9B142236B4]

UniProt	<a href="#">Q13541</a>
Purity	Purified
Form	Supplied as a liquid in 10mM sodium HEPES, pH 7.5, 150mM sodium chloride, 0.1mg/ml BSA, &lt;0.02% sodium azide, 50% glycerol