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## Product Datasheet

**4E Binding Protein 1, phosphorylated (Thr70) (Protein Synthesis Initiation Factor 4E Binding Protein, eIF-4EBP1, PHAS-1, PHAS-I, Eukaryotic Translation Initiation Factor BP), Rabbit**  
**USB-0004-20A**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | 4E Binding Protein 1, phosphorylated (Thr70) (Protein Synthesis Initiation Factor 4E Binding Protein, eIF-4EBP1, PHAS-1, PHAS-I, Eukaryotic Translation Initiation Factor BP), Rabbit                                                                         |
| Biozol Catalog Number      | USB-0004-20A                                                                                                                                                                                                                                                  |
| Supplier Catalog Number    | 0004-20A                                                                                                                                                                                                                                                      |
| Alternative Catalog Number | USB-0004-20A-100                                                                                                                                                                                                                                              |
| Manufacturer               | US Biological                                                                                                                                                                                                                                                 |
| Host                       | Rabbit                                                                                                                                                                                                                                                        |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | IP, WB                                                                                                                                                                                                                                                        |
| Immunogen                  | Synthetic phosphopeptide derived from the sequence of mouse 4E-BP1.                                                                                                                                                                                           |
| Product Description        | 4E-BP1 (also known as PHAS-1) normally binds eIF4E, inhibiting cap-dependent translation. Hyperphosphorylation of 4E-BP1 disrupts this binding, activating cap-dependent translation. The PI3 kinase/Akt pathway and FRAP/mTOR kinase regulate 4E-BP1. 4E-... |
| UniProt                    | <a href="#">Q13541</a>                                                                                                                                                                                                                                        |
| Purity                     | Purified by Protein A and peptide affinity chromatography.                                                                                                                                                                                                    |
| Form                       | Supplied as a liquid in 10mM HEPES, pH 7.5, 150mM sodium chloride, 0.1mg/ml BSA, 50% glycerol. No preservative added.                                                                                                                                         |