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| <b>Product name:</b>     | Phospho-ATF4 (Ser219) Rabbit Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cat number:</b>       | ABN00926                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clone:</b>            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen:</b>        | A synthetic Phosphorylated peptide corresponding to residues target protein                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity:</b>       | Human                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications:</b>     | WB 1:500-1:1000                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight:</b> | Calculated MW: 39 kDa; Observed MW: 39 kDa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                           |
| <b>Background:</b>       | ATF4, an activating transcription factor/cAMP-response element-binding protein family member, functions in the PERK and eIF2α ER stress responsive pathway. ER stress represses the translation of the majority of mRNAs, but selectively stimulates the translation of certain mRNAs including that of ATF-4. Induced expression of ATF-4 increases the expression of genes critical for the recovery from ER stress. |