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| <b>Product name:</b>     | KU70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cat number:</b>       | AB-82007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Size:</b>             | 100µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clone:</b>            | POLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host:</b>             | Rb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen:</b>        | A synthetic peptide corresponding to a sequence within amino acids 500-600 of human KU70.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity:</b>       | Hu,Ms,Rt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications:</b>     | Western Blot: 1:500 -1:2000 Immunohistochemistry: 1:50 -1:200<br>Immunofluorescence: 1:50 - 1:200                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Weight:</b> | 70kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purification:</b>     | Aff. Pur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Buffer:</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage:</b>          | Store at -20°C. Avoid freeze / thaw cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Background:</b>       | The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a singles-tranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus. |