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| <b>Product name:</b>     | Phospho-MARCKS-S170                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cat number:</b>       | ABP-0404                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clone:</b>            | Poly                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host:</b>             | Rb                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen:</b>        | A phospho specific peptide corresponding to residues surrounding S170 of human MARCKS.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity:</b>       | Hu                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications:</b>     | Western Blot: 1:1000 Immunohistochemistry: 1:50-1:100                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Weight:</b> | 80kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purification:</b>     | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form:</b>             | liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Buffer:</b>           | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage:</b>          | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Background:</b>       | The protein encoded by this gene is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis. |

