

**AP02024SU-S****Polyclonal Antibody to Suberites Creatine Kinase - Serum**

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| <b>Alternate names:</b>  | Mitochondrial creatine kinase, MtCK  |
| <b>Quantity:</b>         | 20 µl  |
| <b>Background:</b>       | Suberites mitochondrial creatine kinase is a 412 amino acid protein of 45 kDa. There is ATP binding and kinase activity like in mammalian creatine kinase (ATP + creatine = ADP + phosphocreatine). In mammalian there exist several isoforms of creatine kinase (CKMM, CKMB, CKBB) in contrast to the sponge creatine kinase. |
| <b>Uniprot ID:</b>       | <a href="#">A6XH21</a>   |
| <b>NCBI:</b>             | <a href="#">232265</a>   |
| <b>Host:</b>             | Rabbit   |
| <b>Immunogen:</b>        | Purified creatine kinase from Suberites domuncula  |
| <b>Format:</b>           | <b>State:</b> Lyophilized serum<br><b>Reconstitution:</b> Restore in aqua bidest to initial volume.  |
| <b>Applications:</b>     | ELISA (1:1000).<br>Western blot (1:200).<br>Immunohistochemistry (1:20).<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.   |
| <b>Specificity:</b>      | This antibody detects Creatine kinase.<br><b>Species:</b> Suberites domuncula, Geodia cydonium.<br>Other species not tested.   |
| <b>Storage:</b>          | Store lyophilized at 2 - 8 °C and reconstituted at -20 °C. Avoid repeated freezing and thawing.<br>Shelf life: One year from despatch.   |
| <b>General Readings:</b> | "Origin of the genes for the isoforms of creatine kinase." Bertin M., Pomponi S.M., Kokuhuta C., Iwasaki N., Suzuki T., Ellington W.R. Gene 392:273-282(2007)  |