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## Rat Superoxide Dismutase 2, Mitochondrial (SOD2) Protein

Catalogue No.: abx069197

SOD2 is a protein from Rat. It is produced in E.coli using Prokaryotic expression.

|                             |                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target:</b>              | Superoxide Dismutase 2, Mitochondrial (SOD2)                                                                                                                                                                                                  |
| <b>Origin:</b>              | Rat                                                                                                                                                                                                                                           |
| <b>Host:</b>                | E. coli                                                                                                                                                                                                                                       |
| <b>Tested Applications:</b> | ELISA, WB, IP, SDS-PAGE                                                                                                                                                                                                                       |
| <b>Purity:</b>              | > 95%                                                                                                                                                                                                                                         |
| <b>Form:</b>                | Lyophilized                                                                                                                                                                                                                                   |
| <b>Conjugation:</b>         | Unconjugated                                                                                                                                                                                                                                  |
| <b>Storage:</b>             | Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.                                                                                                                                   |
| <b>Expression:</b>          | Recombinant                                                                                                                                                                                                                                   |
| <b>Molecular Weight:</b>    | 23.5 kDa                                                                                                                                                                                                                                      |
| <b>Swiss Prot:</b>          | <a href="#">P07895</a>                                                                                                                                                                                                                        |
| <b>Sequence Fragment:</b>   | Lys25-Lys222                                                                                                                                                                                                                                  |
| <b>Sequence:</b>            | MGHHHHHSGS-KHSLPD LPYDYGALP HINAQIMQLH HSKHHATYVN NLNVTEEKYH<br>EALAKGDVTT QVALQPALKF NGGGHINHSI FWTNLSPKGG GEPKGELLEA IKRDFGSFEK<br>FKEKLTAHSV GVQSGSGWGL GFNKEQGRLQ IAACSNQDPL QGTTGLIPLL GIDVWEHAYY<br>LQYKNVRPDY LKAIWNVINW ENVSQRYIVC KK |
| <b>Tag:</b>                 | N-terminal His-tag                                                                                                                                                                                                                            |
| <b>Activity:</b>            | Not tested                                                                                                                                                                                                                                    |
| <b>Concentration:</b>       | Prior to lyophilization: 200 µg/ml                                                                                                                                                                                                            |
| <b>Buffer:</b>              | Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.                                                                                                                                      |
| <b>Note:</b>                | This product is for research use only.                                                                                                                                                                                                        |