

DRP1 (Phospho-Ser616) Antibody

Catalog No: #12749

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | DRP1 (Phospho-Ser616) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB |
| Species Reactivity | Hu Ms Rt |
| Specificity | DRP1 (Phospho-Ser616) Antibody detects endogenous levels of DRP1 only when phosphorylated at Ser616 |
| Immunogen Type | Peptide |
| Immunogen Description | A synthesized peptide derived from human DRP1 (Phospho-Ser616) |
| Target Name | DRP1 |
| Modification | Phospho |
| Other Names | DNM1L, DYMPLE, Dynamin 1-like, Dynamin-like protein, Dynamin-like protein 4, Dynamin-like protein IV, DLP1, Dnm1p/Vps1p-like protein, DVLP, Dynamin-related protein 1, DYNIV-11, DRP1, Dynamin-1-like protein, VPS1, EMPF, HDYNIV |
| Accession No. | Swiss-Prot#: O00429NCBI Gene ID: 10059 |
| Target Species | human |
| Calculated MW | 79kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

Application Details

Western blotting: 1:1000

Published Papers

el at., Enhancing Spns2/S1P in macrophages alleviates hyperinflammation and prevents immunosuppression in sepsis. *In EMBO Rep* On 2023 Aug 3 by Chao Fang, Pan Ren et al.. PMID:37358015, (2023)

[PMID:37358015](#)

el at., Ketone Body Improves Neurological Outcomes after Cardiac Arrest by Inhibiting Mitochondrial Fission in Rats. *In Oxid Med Cell Longev* on 2022 Jul 7 by Yunke

Tan, Jie Zhang, et al.. PMID:35847595, (2022)

[PMID:35847595](#)

el at., Levosimendan protects from sepsis-inducing cardiac dysfunction by suppressing inflammation, oxidative stress and regulating cardiac mitophagy via the PINK-1-Parkin pathway in mice. *In Ann Transl Med* on 2022 Feb by Jian Shi, Yuhong Chen, et al.. PMID:35280364, (2022)

[PMID:35280364](#)

el at., ERK/Drp1-dependent mitochondrial fission contributes to HMGB1-induced autophagy in pulmonary arterial hypertension. In Cell Prolif on 2021 Jun by Wei Feng, Jian Wang,et al..PMID: 33948998, , (2021)

[PMID:33948998](#)

el at., Promotion of mitochondrial fusion protects against developmental PBDE-47 neurotoxicity by restoring mitochondrial homeostasis and suppressing excessive apoptosis.In Theranostics on 2020 Jan 1; by Dong L, Li P, et al..PMID: 31938063, , (2020)

[PMID:31938063](#)

el at., Drp1-mediated mitochondrial fission contributes to baicalein-induced apoptosis and autophagy in lung cancer via activation of AMPK signaling pathway.In Int J Biol Sci on 2020 Feb 21; by Deng X, Liu J, et al..PMID:32210728, , (2020)

[PMID:32210728](#)

el at., Pyridostigmine regulates glucose metabolism and mitochondrial homeostasis to reduce myocardial vulnerability to Injury In diabetic mice. In Am J Physiol Endocrinol Metab on 2019 Aug 1 by Yang Y, Zhao M et al..PMID:31211620, , (2019)

[PMID:31211620](#)

el at., Axonal transport in a peripheral diabetic neuropathy model: sex-dimorphic features.In Biol Sex Differ. On 2018 Jan 19 by Pesaresi M1, Giatti S et al..PMID:29351809, , (2018)

[PMID:29351809](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.