

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 sepsisIn EMBO RepOn2023 Aug 3byChao 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.