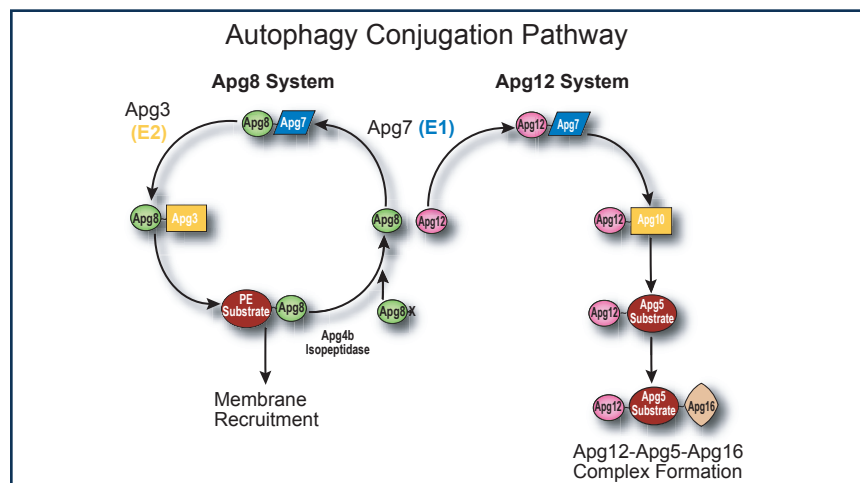


Autophagy Research Tools

Autophagy plays a complex role in numerous physiological and pathological processes. It is important for development, aging, immunity and cell death and it has been associated with many types of cancer and neurodegenerative diseases. Boston Biochem, Inc. offers a broad range of proteins, enzymes, antibodies, activators, and inhibitors for the study and modulation of autophagy.



Proteins and Enzymes

Recombinant Proteins			
UL-400	Pro-GABARAP1	Human	500 µg
UL-410	His ₆ -GABARAP/Apg8p1	Human	500 µg
UL-412	His ₆ -GABARAP/Apg8p1 Biotin	Human	50 µg
UL-414	His ₆ -GABARAP/Apg8p1 Fluorescein	Human	50 µg
UL-415	GABARAP/Apg8p1 Agarose	Human	500 µL
UL-416	His ₆ -GABARAP/Apg8p1 Rhodamine	Human	50 µg
UL-420	His ₆ -GATE-16/Apg8p2	Human	500 µg
UL-422	His ₆ -GATE-16/Apg8p2 Biotin	Human	50 µg
UL-424	His ₆ -GATE-16/Apg8p2 Fluorescein	Human	50 µg
UL-425	GATE-16/Apg8p2 Agarose	Human	500 µL
UL-426	His ₆ -GATE-16/Apg8p2 Rhodamine	Human	50 µg
UL-430	His ₆ -LC3/MAP1LC3A/Apg8p3	Human	500 µg
UL-432	His ₆ -LC3/MAP1LC3A/Apg8p3 Biotin	Human	50 µg
UL-434	His ₆ -LC3/MAP1LC3A/Apg8p3 Fluorescein	Human	50 µg
UL-435	LC3/MAP1LC3A/Apg8p3 Agarose	Human	500 µL
UL-436	His ₆ -LC3/MAP1LC3A/Apg8p3 Rhodamine	Human	50 µg
Recombinant Enzymes			
E-317	His ₆ -Apg E1 Enzyme (Apg7L/ATG7)	Human	25 µg
E-318	His ₆ -ATG7 (Apg7) Isoform 1	Human	50 µg
E-400	His ₆ -Apg4b/ATG4B	Human	25 µg
E2-670	His ₆ -Apg3p/ATG3/Apg3L	Human	50, 100 µg

Antibodies

Antibodies			
AF5450	ATG3 Affinity Purified Polyclonal	Human/Mouse/Rat	100 µg
AF4324	ATG4A Affinity Purified Polyclonal	Human	100 µg
MAB4324	ATG4A Monoclonal	Human	100 µg
MAB5279	ATG4B Monoclonal	Human	100 µg
MAB5294	ATG5 Monoclonal	Human/Mouse/Rat	100 µg
MAB6608	ATG7 Monoclonal	Human	100 µg
AF5464	ATG10 Affinity Purified Polyclonal	Human	100 µg
MAB6807	ATG12 Monoclonal	Human	100 µg

Activators and Inhibitors

Autophagy Activators		
1234	A23187, free acid	10 mg
4095	Amiodarone hydrochloride	50 mg
4846	Apicidin	1 mg
1231	Brefeldin A	5 mg
4098	Carbamazepine	50 mg
0690	Clonidine hydrochloride	100 mg
1126	Dexamethasone	100 mg
3093	Dorsomorphin dihydrochloride	10, 50 mg
3993	EB 1089	1 mg
0741	GF 109203X	1, 10 mg
0681	L-690,330	10, 50 mg
1391	NF 449	10, 50 mg
4079	Niclosamide	50 mg
0600	Nimodipine	100 mg
0601	Nitrendipine	50 mg
4849	3-Nitropropionic acid	50 mg
2930	PI 103 hydrochloride	1, 10, 50 mg
1292	Rapamycin	1 mg
1418	Resveratrol	100 mg
1610	Rottlerin	10, 50 mg
4297	SMER 28	10, 50 mg
1097	Taxol	10, 50 mg
2706	Temozolomide	10, 50 mg

Autophagy Activators		
1138	Thapsigargin	1 mg
4247	Torin 1	10, 50 mg
3516	Tunicamycin	10 mg
2815	Valproic acid, sodium salt	100 mg
0654	Verapamil hydrochloride	1 g
Autophagy Inhibitors		
3977	3-Methyladenine	50 mg
1334	Bafilomycin A1	10 µg
1544	(±)-Bay K 8644	10, 50 mg
4109	Chloroquine diphosphate	50 mg
2656	Concanamycin A	10 µg
4417	DBeQ	10, 50 mg
4545	E 64d	1 mg
UL-441	HA-GABARAP/Apg8p1-Vinyl Sulfone	25 µg
UL-446	HA-GATE-16/Apg8p2-Vinyl Sulfone	25 µg
UL-451	HA-LC3/MAP1LC3A/Apg8p3-Vinyl Sulfone	25 µg
1130	LY 294002 hydrochloride	5, 25 mg
2418	LY 303511	5 mg
1228	Nocodazole	10 mg
1190	Pepstatin A	10 mg
1256	Vinblastine sulfate	10, 50 mg
1232	Wortmannin	1, 5 mg
4686	Xanthohumol	10 mg

www.bostonbiochem.com/autophagy

techsupport@bostonbiochem.com • TEL: (617) 576-2210 • FAX: (617) 492-3565

840 Memorial Drive, Cambridge, MA 02139

Boston Biochem products are available via the R&D Systems distributor network.

USA & Canada

R&D Systems, Inc.
TEL: (800) 343-7475, (612) 379-2956
FAX: (612) 656-4400

Europe

R&D Systems Europe Ltd.
TEL: +44 (0)1235 529449
FAX: +44 (0)1235 533420

China

R&D Systems China Co., Ltd
TEL: +86 (21) 52380373
FAX: +86 (21) 52371001