

Fig. 1A

in vitro kinase assay

γ -³²P ATP, GST-TBK1

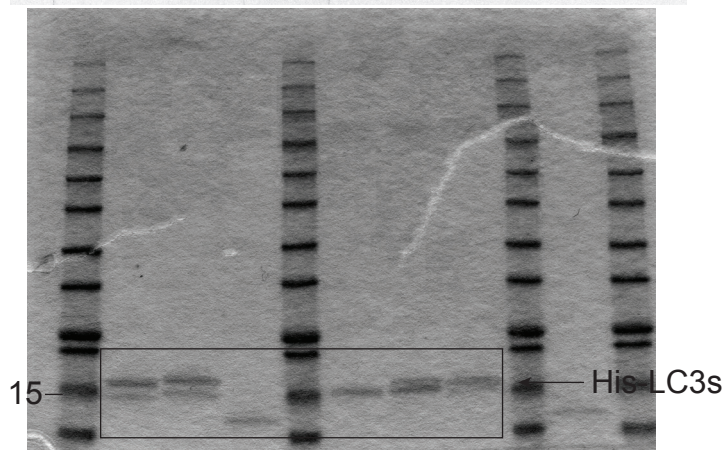
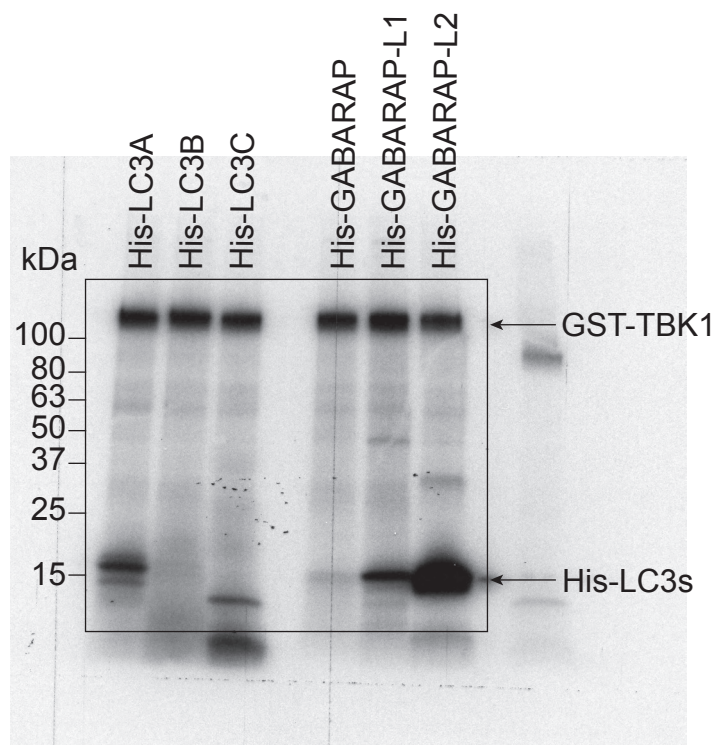
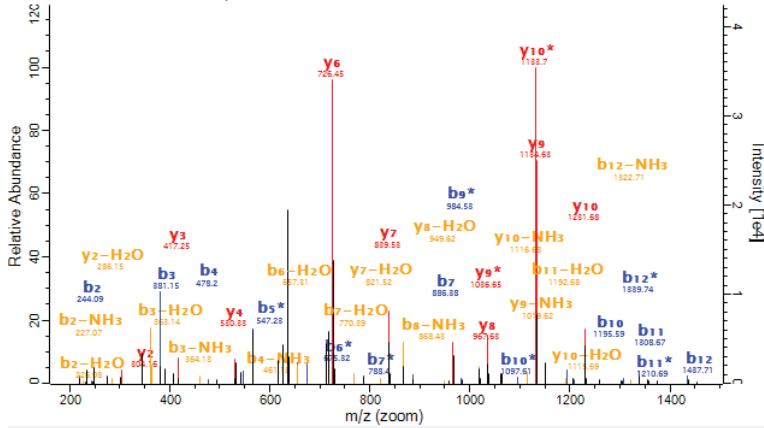


Fig 1B

LC3A pS29

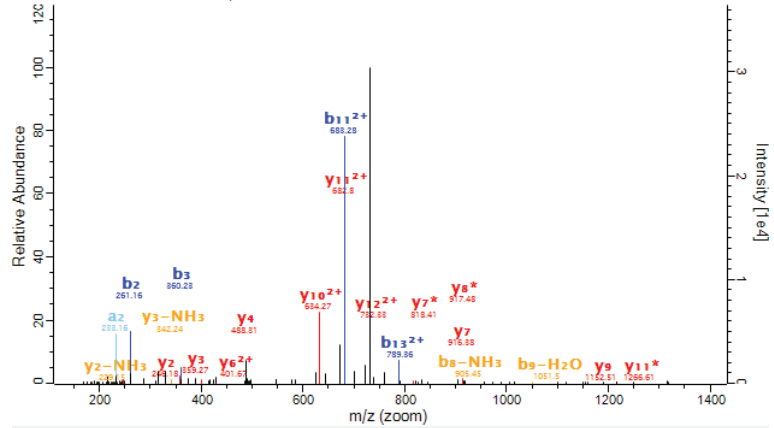
Raw File Scan Method Score m/z Gene names
20151106_LH_A 10205 ITMS; CID 128.82 806.93 MAP1LC3A



- D Q I H P **Y10** **Y9** **Y8** **Y7** **Y6** **Y2**
b2 b3 b4 b5* b6* b7* b8* b9 b10 b11 b12

LC3A pS61

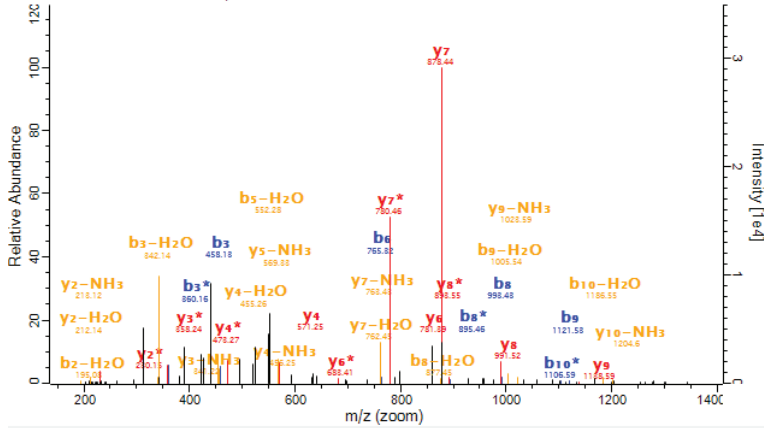
Raw File Scan Method Score m/z Gene names
20151106_LH_A 11682 ITMS; CID 52.79 575.28 MAP1LC3A



- F L V P D H V N **Y122+** **Y112+** **Y102+** **Y9** **Y8*** **Y7** **Y62+** **Y5** **Y4** **Y3** **Y2**
b2 b3 b112+ b122+

LC3C pT48

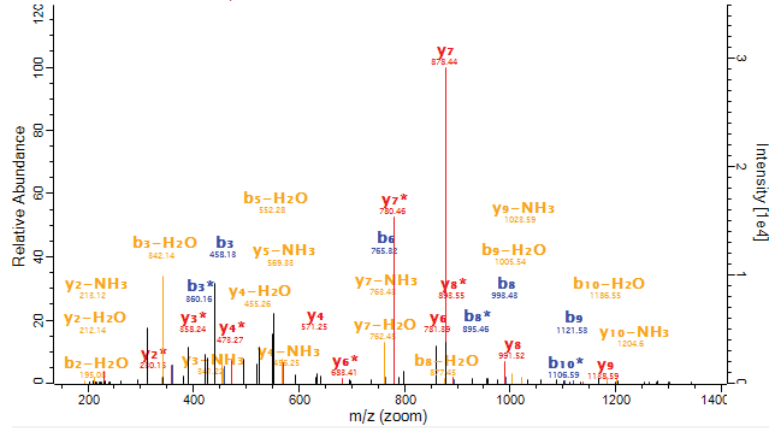
Raw File Scan Method Score m/z Gene names
20151106_LH_C 11704 ITMS; CID 166.79 724.83 MAP1LC3C



- E **Y9** **Y8** **Y7** **Y6** **Y4** **Y3*** **Y2***
b3 b4 b5 b6 b7 b8 b9 b10*

LC3C pT56

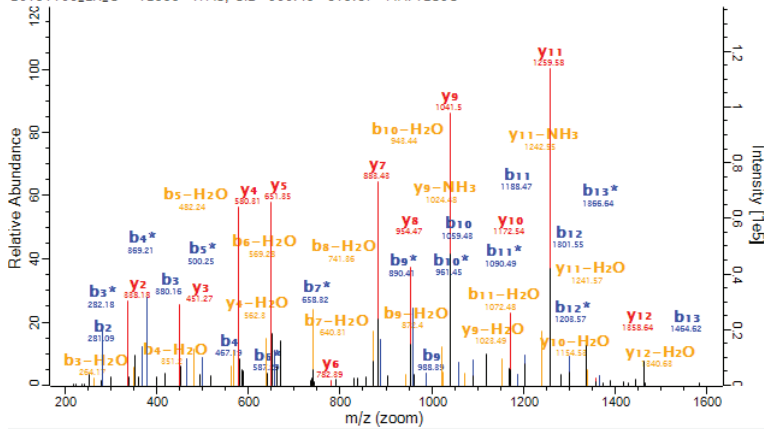
Raw File Scan Method Score m/z Gene names
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- E **Y9** **Y8** **Y7** **Y6** **Y4** **Y3*** **Y2***
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LC3C pS93

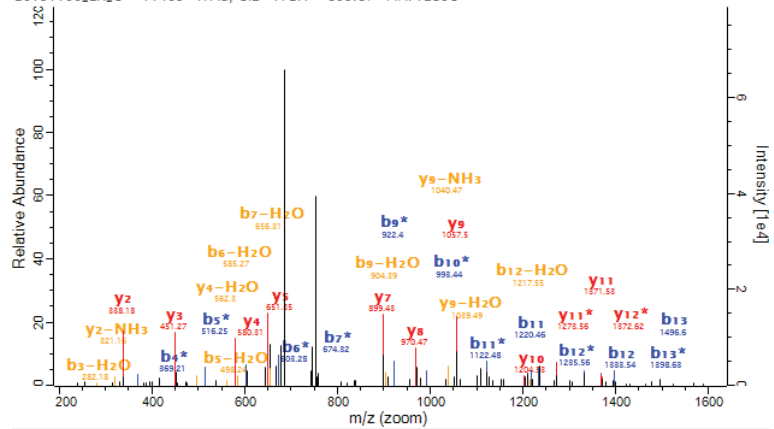
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20151106_LH_C 12555 ITMS; CID 300.49 819.87 MAP1LC3C



- **Y12** **Y11** **Y10** **Y9** **Y8** **Y7** **Y6** **Y5** **Y4** **Y3** **Y2**
b2 b3 b4 b5* b6* b7* b8 b9 b10 b11 b12 b13

LC3C pS96

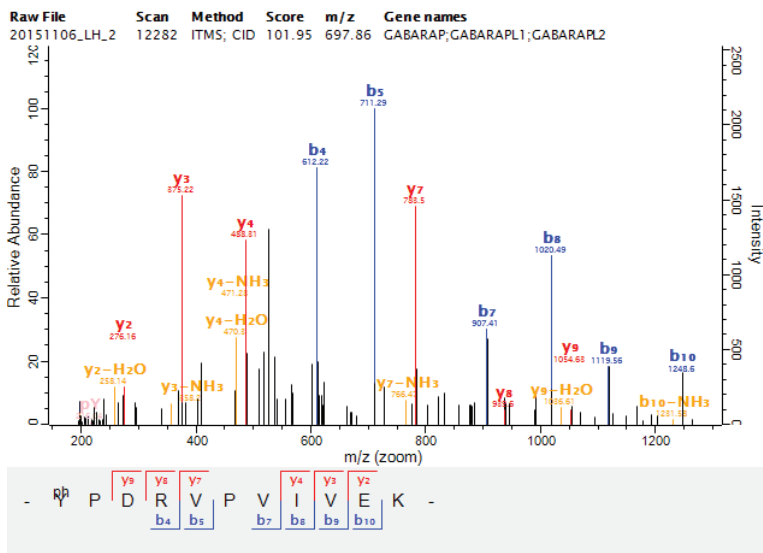
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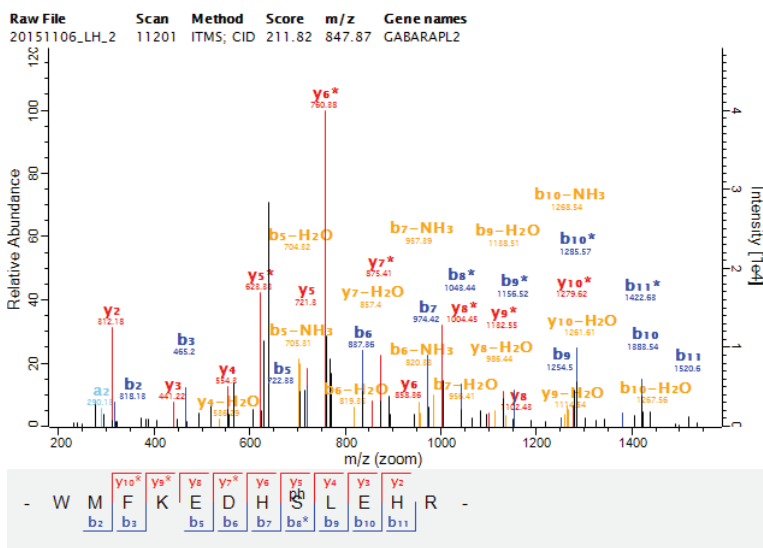
- **Y12*** **Y11** **Y10** **Y9** **Y8** **Y7** **Y6** **Y5** **Y4** **Y3** **Y2**
b2 b3 b4 b5* b6* b7* b8 b9 b10* b11 b12 b13

Fig 1B

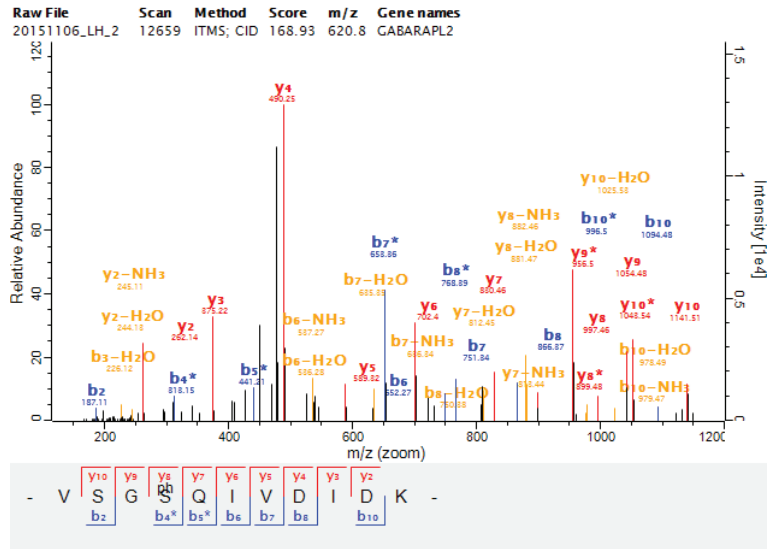
GABARAP-L1 pY25



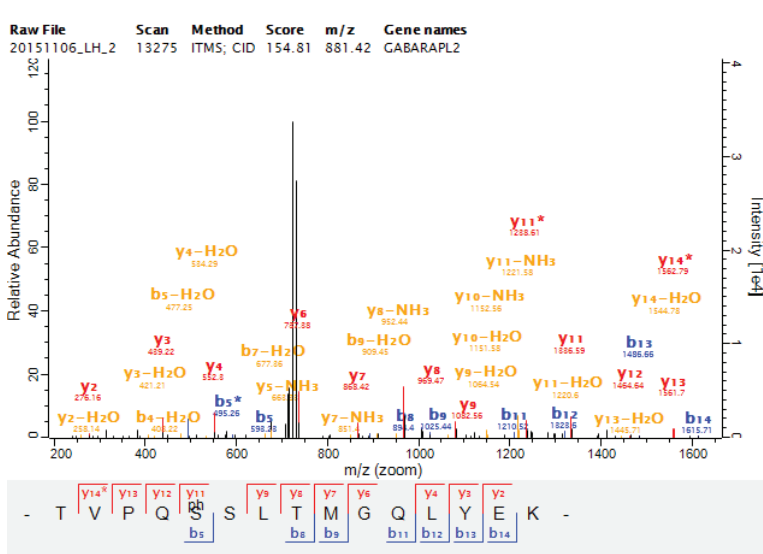
GABARAP-L2 pS10



GABARAP-L2 pS39



GABARAP-L2 pS87



GABARAP-L2 pS88

