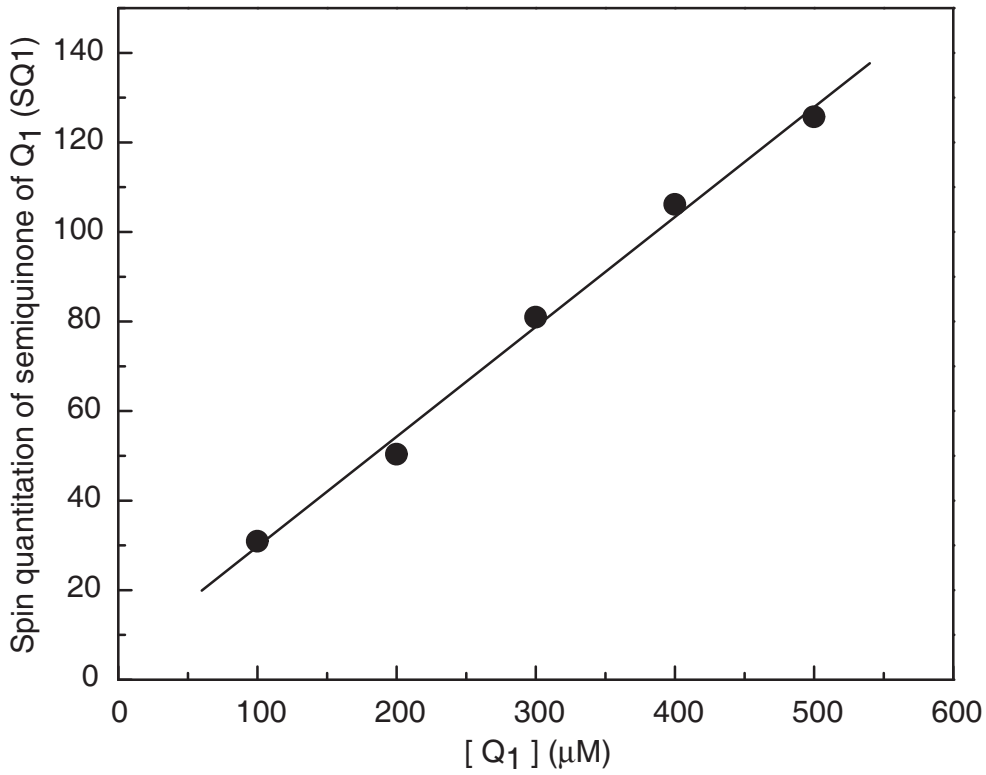
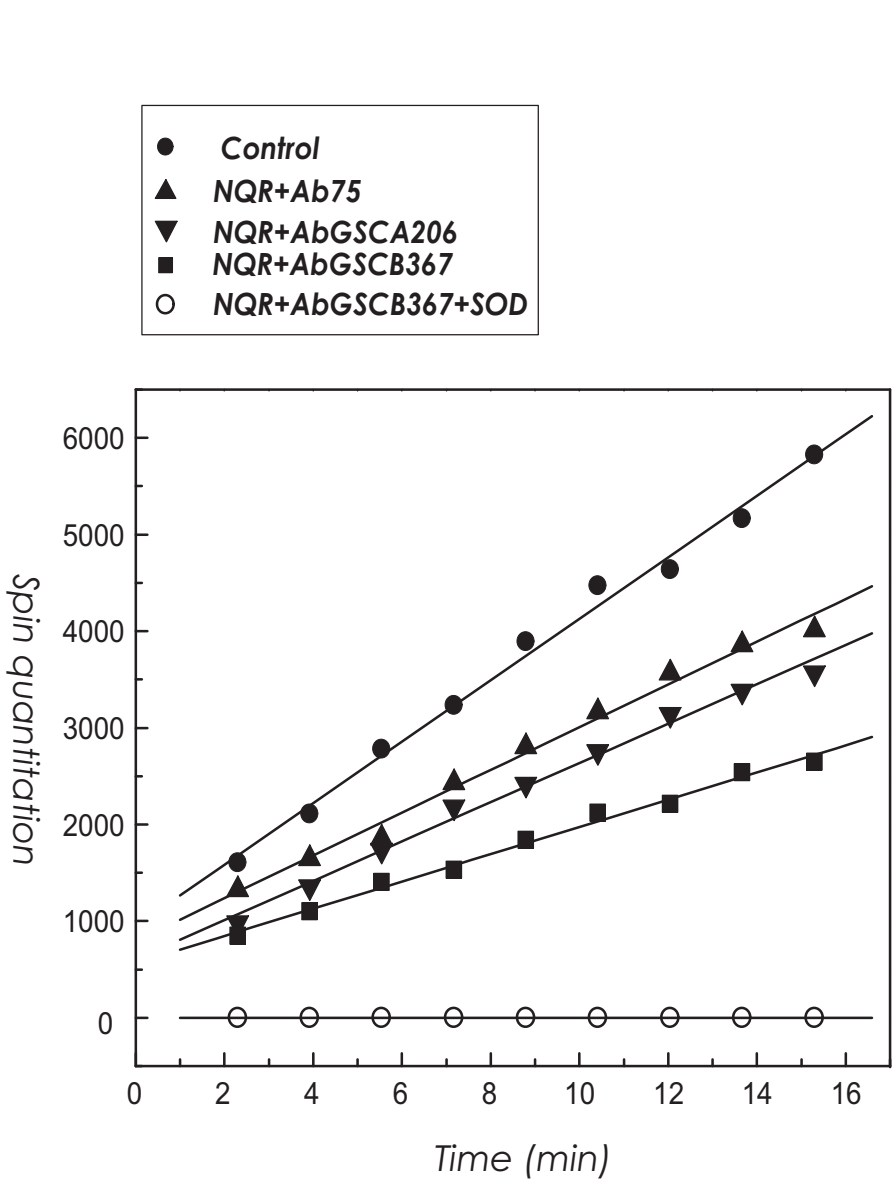
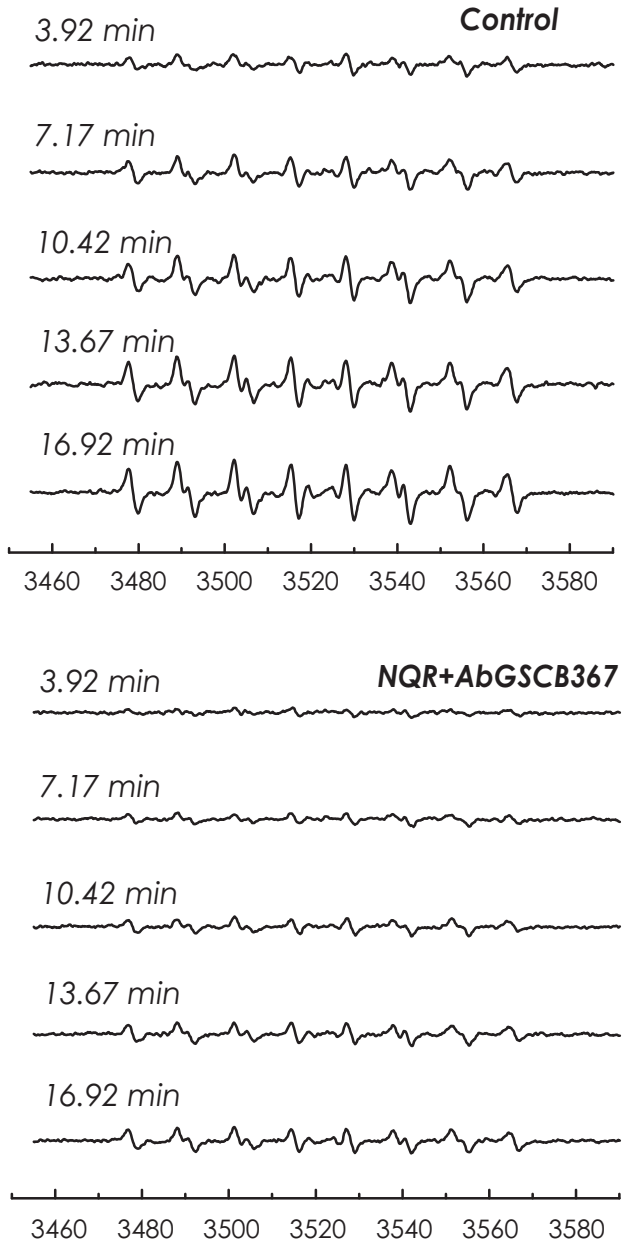
Supplemental Figure 1



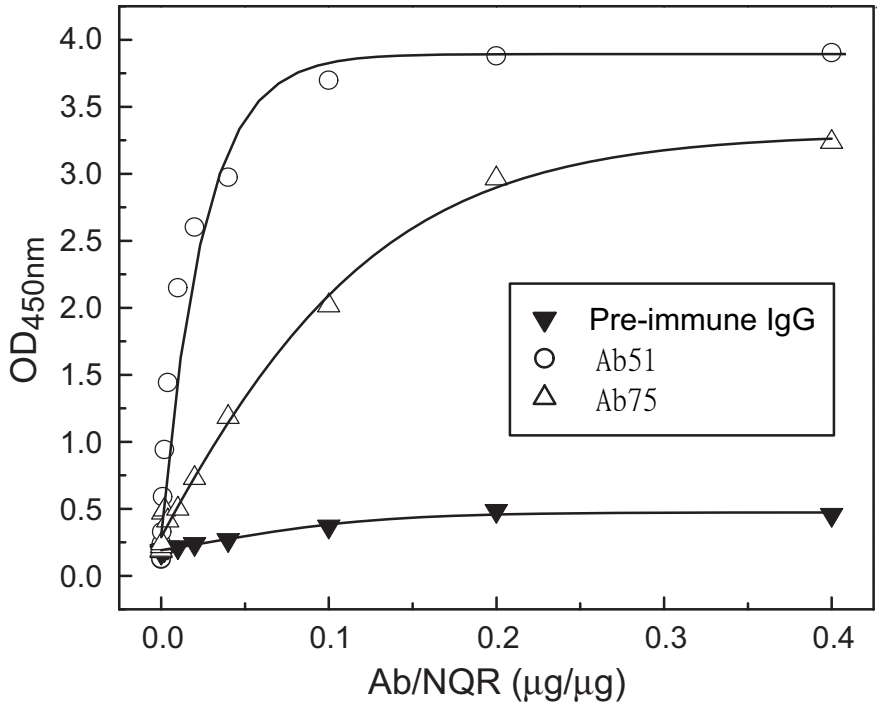
Supplemental Figure 2

Supplemental Figure 3





Supplemental Figure 4



Supplemental Figure 5

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  1 MLAARHFLGG LVPVRVSVRF SSGTTAPKKT SFGSLKDEDR IFTNLYGRHD
 51 WRLKGALRRG DWYKTKEILL KGPDWILGEM KTSGLRGRGG AGFPTGLKWS
101 FMNKPSDGRP KYLVVNADEG EPGTCKDREI MRHDPHKLVE GCLVGGRAMG
151 ARAAYIYIRG EFYNEASNLQ VAIREAYEAG LIGKNACGSD YDFDVFVVRG
201 AGAYICGEET ALIESIEGKQ GKPRLKPPFP ADVGVFGCPT TVANVETVAV
251 SPTICRRGGT WFAGFGRERN SGTKLFNISG HVNHPCTVEE EMSVPLKELI
301 EKHAGGVTGG WDNLLAVIPG GSSTPLIPKS VCETVLMDFD ALVQAQTGLG
351 TAAVIVMDRS TDIVKAIARL IEFYKHESCG QCTPCREGVD WMNKVMARFV
401 KGDARPAEID SLWEISKQIE GHTICALGDG AAWPVQGLIR HFRPELEDRM
451 QRFAQQHRAW QAAS
```

Theoretical *m/z*	Measured *m/z*	Sequence
492.2691^{2+}	492.52^{2+}	^{41}IFTNLYGR^{48}
826.3852^{2+}	826.24^{2+}	^{112}YLVVNADEGEPGTCK^{126}
641.79^{3+}	641.6353^{3+}	^{112}YLVVNADEGEPGTCKDR^{128}
525.7769^{2+}	525.70^{2+}	^{175}EAYEAGLIGK^{184}
1034.4988^{2+}	1034.76^{2+}	^{200}GAGAYICGEETALIESIEGK^{219}
694.3588^{2+}	694.65^{2+}	^{406}PAEIDSLWEISK^{417}
400.2036^{2+}	400.50^{2+}	^{441}HFRPELEDR^{449}

Amino acid sequence of the precursor of rat NQR 51-kDa subunit. The regions labeled in *red* represent the amino acid residues identified with nano-LC/MS/MS. The underlined region is the N-terminal extension (aa 1-20), which acts as an import sequence and does not exist in the mature protein.

Supplemental Figure 6

001 MLRIPVKRAL IGLSKSPKGY VRSTGTAASN LIEVFVDGQS VMVEPGTTVL
051 QACEKVGMQI PRFCYHERLS VAGNCRMCLV EIEKAPKVVA ACAMPVMKGW
101 NILTNSEKSK KAREGVMEFL LANHPLDCPI CDQGGECDLQ DQSMMFGSDR
151 SRFLEGKRAV EDKNIGPLVK TIMTRCIQCT RCIRFASEIA GVDDLGTTGR
201 GNDMQVGTYI EKMFMSELSG NIIDICPVGA LTSKPYAFTA RPWETRKTES
251 IDVMDAVGSN IVVSTRTGEV MRILPRMHED INEEWISDKT RFAYDGLKRQ
301 RLTEPMVRNE KGLLTYTSWE DALSRVAGML QSFEGKAVAA IAGGLVDAEA
351 LVALKDLLNK VDSDTLCTEE IFPNEGAGTD LRSNYLLNTT IAGVEEADVV
401 LLVGTNPRFE APLFNARIRK SWLHNDLKVA LIGSPVDLTY RYDHLGDSPK
451 ILQDIASGNH EFSKVLNAAK KPMVVLGSSA LQRDDGAAIL AAVSSIAQKI
501 RVASGAAAEW KVMNILHRIA SQVAALDLGY KPGVEAIRKN PPKLLFLLGA
551 DGGCITRQDL PKDCFIVYQG HHGDVGAPIA DVILPGAAYT EKSATYVNTE
601 GRAQQTKVAV TPPGLAREDW KIIRALSEIA GITLPYDTLD QVRNRLGEVS
651 PNLVRYDDVE EADYFQQASE LAKLVDQEFL ADPLVPPQLT IKDFYMTDSI
701 SRASQTMAKC VKAVTEGAQA VEEPSIC

Theoretical *m/z*	Measured *m/z*	Peptide sequence
581.2986^{2+}	581.60^{2+}	^{99}GWNILTNSEK^{108}
804.8968^{2+}	804.86^{2+}	^{185}FASEIAGVDDLGTTGR^{200}
677.8190^{2+}	678.12^{2+}	^{201}GNDMQVGTYIEK^{212}
685.8165^{2+}	686.04^{2+}	^{201}GNDM$_{(Ox)}$QVGTYIEK^{212}
591.7948^{2+}	591.84^{2+}	^{326}VAGM$_{(Ox)}$LQSFEGK^{336}
532.7798^{2+}	532.79^{2+}	^{409}FEAPLFNAR^{417}
516.2433^{2+}	516.53^{2+}	^{442}YDHLGDSPK^{450}
779.8966^{2+}	780.23^{2+}	^{451}ILQDIASGNHEFSK^{464}
701.3978^{2+}	701.76^{2+}	^{471}KPM$_{(Ox)}$VVLGSSALQR^{483}
510.6105^{3+}	510.96^{3+}	^{484}DDGAAILAAVSSIAQK^{499}
691.0564^{3+}	691.32^{3+}	^{519}IASQVAALDLGYKPGVEAIR^{538}
753.4109^{2+}	753.67^{2+}	^{544}LLFLLGADGGC$_{(CAM)}$ITR^{557}
549.2647^{2+}	549.47^{2+}	^{593}SATYVNTEGR^{602}
490.7980^{2+}	491.04^{2+}	^{608}VAVTPPGLAR^{617}
1038.0546^{2+}	1037.91^{2+}	^{625}ALSEIAGITLPYDTLDQVR^{643}
542.3115^{2+}	543.04^{2+}	^{646}LGEVSPNLVR^{655}
1060.9684^{2+}	1061.68^{2+}	^{656}YDDVEEAD$_{663}$YFQQASELAK^{673}
1068.6012^{2+}	1068.48^{2+}	^{674}LVDQEFLADPLVPPQLTIK^{692}
1117.9109^{3+}	1118.41^{3+}	^{674}LVDQEFLADPLVPPQLTIKDFYMTDSISR^{702}
1123.2425^{3+}	1123.59^{3+}	^{674}LVDQEFLADPLVPPQLTIKDFYM$_{(Ox)}$TDSISR ^{702}

Amino acid sequence of the precursor of rat NQR 75-kDa subunit. The regions labeled in *red* represent the amino acid residues identified with nano-LC/MS/MS. The underlined region is the N-terminal extension (aa 1-23), which acts as an import sequence and does not exist in the mature protein.