Antibody Validation:

- DA160 (α-pSer1064 LRRK1)
- DA208 (α-pSer1074 LRRK1)
- DA209 (α-pThr1075 LRRK1)
- DA210 (α-pSer1074 + pThr1075 LRRK1)

Antibody validation using recombinant LRRK1



α-panSer (PKC

by PKC

in vitro kinase assay:

- Recombinant PKCa (100 nM)
- Recombinant LRRK1 wt (50 nM)
- 1 mM ATP
- 25% of reaction loaded onto gel (100ng of recombinant LRRK1)

Only α-pSer1074 LRRK1 antibody is unable to detect signal









α-pSer1074 + pThr1075 LRRK1 taken forward for testing in cell lysates

Antibody validation using cell lysates



Summary

- α-pSer1064, α-pThr1075 and α-pSer1074 + pThr1075 able to detect signal *in vitro*
- α-pSer1074 + pThr1075 able to detect in IPs
 - α -pThr1075 detects weakly in IPs
- Unclear if α-pSer1074 + pThr1075 is viable for use against cell lysates