Chromatin Immunoprecipitation (ChIP)

1. Add 3 ug antibody and 15 ul of Dynabeads to cross-linked, fragmented chromatin extract.

2. Cap tubes and place on rototorque at 4˚C 2 hrs to O/N

ChIP Wash

1. Place sample plate on the magnet for ~1 min.

2. While still on the magnet, aspirate and discard supernate.

3. Wash beads with **NaCl 250 wash buffer.**
    a. Remove tubes from magnet, and add ~150 ul **NaCl 250** (4˚C) to each well.
    b. Cap the tubes and mix by inverting ten times.
    c. Centrifuge, 1 sec.
    d. Place sample plate on the magnet for ~1 min.
    e. Remove caps. *Keep them in order, and in same orientation.*
    f. While still on the magnet, aspirate and discard extract.
        i. *Take care to stay away from beads. No need to change tips. Quickly go to next step.*

4. Wash beads with **LiCl 250 wash buffer**.
    a. Repeat process described above.

5. Wash beads with 10 mM Tris-HCl

6. Remove from magnet, and immediately add **Polishing mix** (see below)