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# (IP) Immunoprecipitation (IP)

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**ABSTRACT** 

This protocol details about immunoprecipitation using anti-HA magnetic beads.

**ATTACHMENTS** 

635-1314.docx



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Protocol status: Working We use this protocol and it's

working

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**PROTOCOL** integer ID:

76523

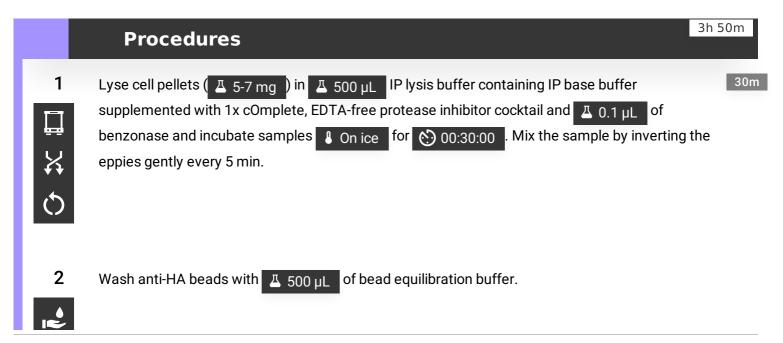
Keywords:

immunoprecipitation

### **Buffers and reagents:**

- IP base buffer: [M] 50 millimolar (mM) Tris-Cl ( ♣ 7.5 when cold), [M] 150 millimolar (mM) NaCl
- **Bead equilibration buffer**: IP base buffer supplemented with 0.1% Tween20
- **IP wash buffer**: IP base buffer supplemented with 0.1% TX-100 and 1x cOmplete, EDTA-free protease inhibitor cocktail
- Pierce™ Anti-HA Magnetic Beads **Thermo Fisher Catalog #88836**
- Benzonase® Nuclease Merck Millipore (EMD Millipore) Catalog #E101 25KU
- COmplete™ EDTA-free Protease Inhibitor Cocktail Roche Catalog
  #4693132001
- Elution buffer:
  - NuPAGE™ LDS Sample Buffer (4X) **Thermo Fisher Scientific Catalog**

Note







- 5 Carefully transfer cleared lysates into 2 ml eppies and take  $\pm$  50  $\mu$ L from each tube for "Input" samples.
- 6 Gently add Δ 1000 μL of IP base buffer containing 1x cOmplete, EDTA-free protease inhibitor cocktail to the rest of each sample to dilute out the detergent.
- 7 Incubated the diluted cleared lysates with the anti-HA magenetic beads on a rotary mixer for © 03:00:00 at 4 4 °C.
- 3h

- - 8 Collect beads on a magnetic rack and aspirate the unbounds.
  - 9 Wash with A 1 mL IP wash buffer.



10 Repeat steps 7-8 another 4 times.

## Note

For the last wash, make sure to remove all the liquid off the beads.

Elute with  $\perp$  25  $\mu$ L elution buffer by boiling at shaking at  $\parallel$  99 °C for  $\bigcirc$  00:10:00

10m