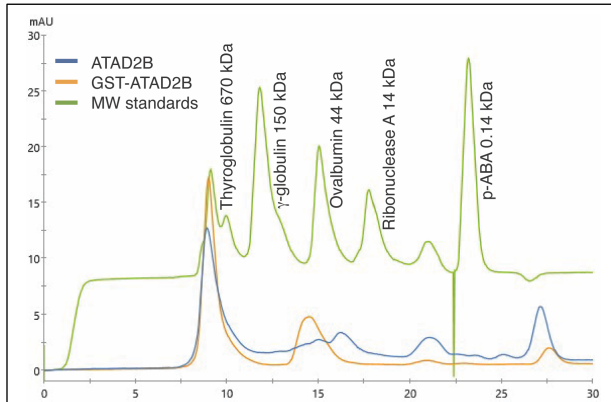


## Deciphering the molecular mechanisms of chromatin recognition by ATAD2B

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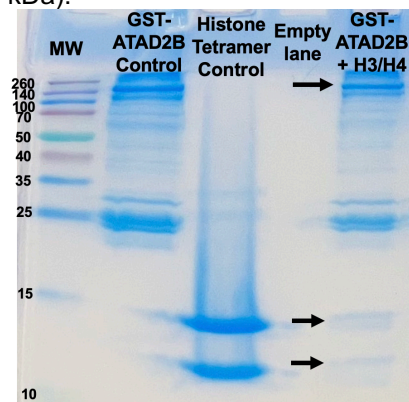
### Preliminary Results:



**Figure 1. Analytical SEC elution profile full-length ATAD2B.** Overlay of absorbance traces (A280) from ATAD2B, GST-ATAD2B, and protein standards mix.

### **Figure 2. Pull-down assays with GST-ATAD2B full-length protein and histone H3-H4 tetramer.**

SDS-PAGE gel of GST-ATAD2B protein (MW 149 kDa, top arrow) bound to Glutathione Agarose and incubated with the purified recombinant *X. laevis* histone H3-H4 tetramer (MW 15.3 and 11.2 kDa).



### **Figure 3. Cryo-EM images taken of ATAD2B on a 300 kV TFS Titan Krios at the NCCAT.** A. A raw micrograph of full-length GST-ATAD2B. B. Representative 2D class averages of the GST-ATAD2B complex processed with CryoSPARC.

