

Antibody gene rearrangement sources

V(D)J Rearrangement – Wikipedia

[https://en.wikipedia.org/wiki/V\(D\)J_recombination](https://en.wikipedia.org/wiki/V(D)J_recombination)

Short video about VDJ rearrangement

<https://www.youtube.com/watch?v=Wk2aZW-GYgM>

Another VDJ rearrangement video with more information about the mechanism of rearrangement

<https://www.youtube.com/watch?v=QTOBSFJWogE>

A video describing Ab isotype switching

<https://www.youtube.com/watch?v=gyTHXjVUPWw>

Video of B cell development and Ab gene rearrangement

http://bcs.whfreeman.com/webpub/Ektron/Hillis%20Principles%20of%20Life2e/Animated%20Tutorials/pol2e_at_3903_A_B_Cell_Builds_an_Antibody/pol2e_at_3903_A_B_Cell_Builds_an_Antibody.html