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# Polycomb

National Cancer Institute

## Source

National Cancer Institute. *Polycomb*. NCI Thesaurus. Code C19867.

The *Drosophila* gene Polycomb (Pc) encodes a transcriptional repressor required for the segment-specific repression of homeotic selector genes by promoting locus-specific chromatin compaction. Pc may be involved in the stable transmission of a determined state by its effects on chromatin structure. It contains one chromo domain and interacts genetically with ph-p, Antp, E(Pc), Pcl, Asx, and many other genes. Similar sequences have been identified in African clawed frog, *Caenorhabditis elegans*, *Homo sapiens*, and *Mus musculus*. (from SWISS-PROT P26017, FlyBase 0003042, and NCI)