

Search

Gene Symbol e.g. [SHC1](#)
Protein Name e.g. [EGF receptor](#)
Accession Number e.g. [NP_002077.1](#)
Pathway Name 

Statistics

Curated Pathways	20
Molecules Involved	1682
Physical Interactions	1800
Genes Transcriptionally Regulated	6582
Transport	201
Enzyme Catalysis	1218
PubMed Citations	11739

"NetPath" is a curated resource of signal transduction pathways in humans. It is a collaboration between the [PandeyLab](#) at Johns Hopkins University and the [Institute of Bioinformatics](#). At this time, 10 immune and 10 cancer signaling pathways are available. The 10 cancer signaling pathways were developed in collaboration with the [Computational Biology Center](#) at [Memorial Sloan-Kettering Cancer Center](#) and with [Gary Bader's lab](#) at the University of Toronto for the 'Cancer Cell Map'.

All 20 pathways are freely available in [BioPAX](#), [PSI-MI](#) and [SBML](#) formats at this website. [BioPAX](#) is an emerging standard for pathway data exchange. The 10 cancer signaling pathways are also available for download and browsing from the Cancer Cell Map project website. The pathways are freely available under an adaptive Creative Commons License which stipulates that the pathways may be used if adequate credit is given to the authors. These pathways are unpublished at this time, please cite the websites until the pathways are described in a publication.

Feedback on the NetPath website and its contents can be sent to info@netpath.org.

This is a joint project between:



PandeyLab

and



Institute of
Bioinformatics