After you have opened up the file BlankWhite within ImageJ, find your "line draw" icon on the tool bar.
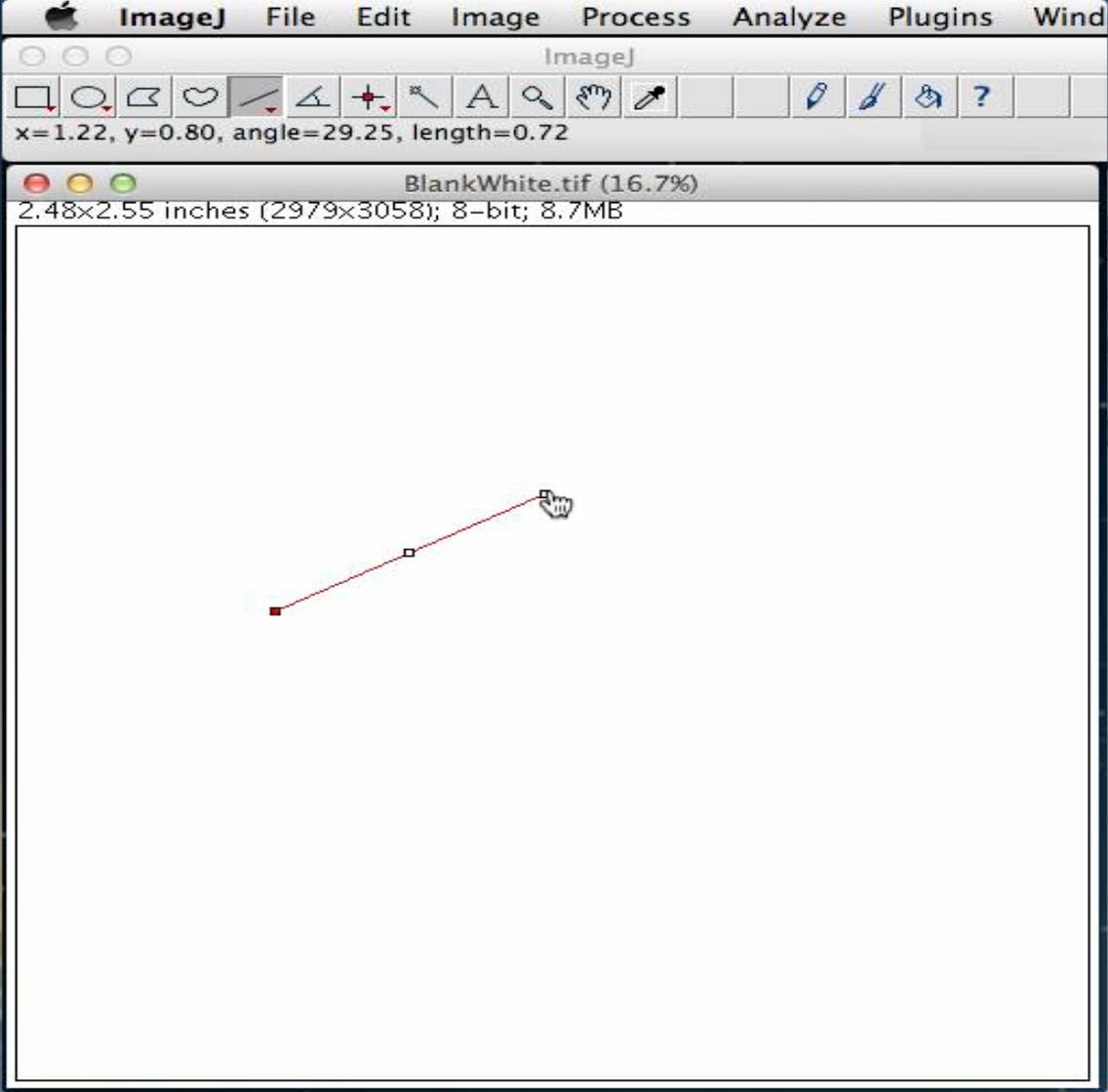
Put your cursor where you want your line to start. Click and hold to draw your line in whatever direction and length you desire. Release your click on the spot you want your line to stop at.
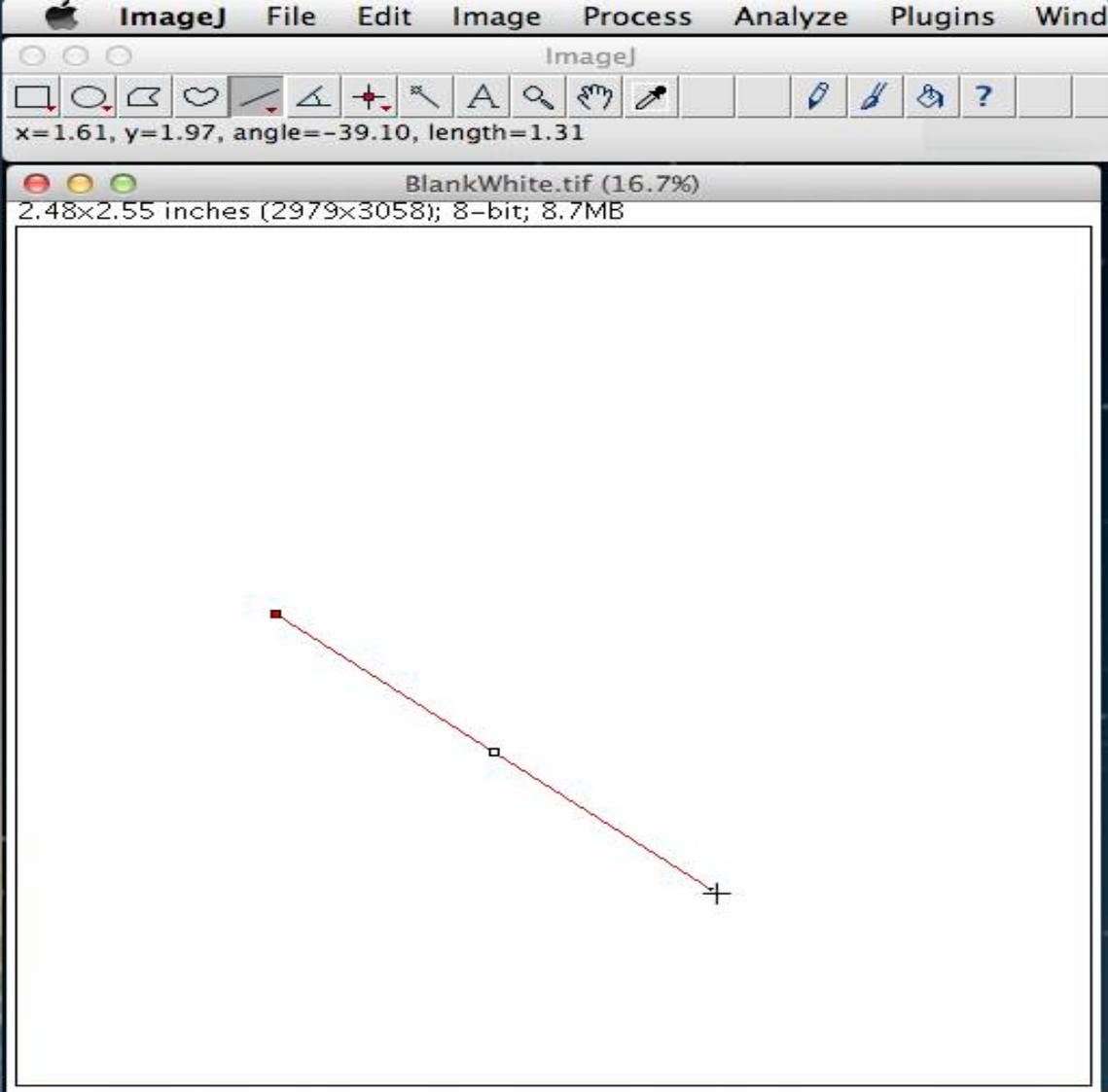
Click and hold either end of your line segment to change the length and direction. Release your click to stop.
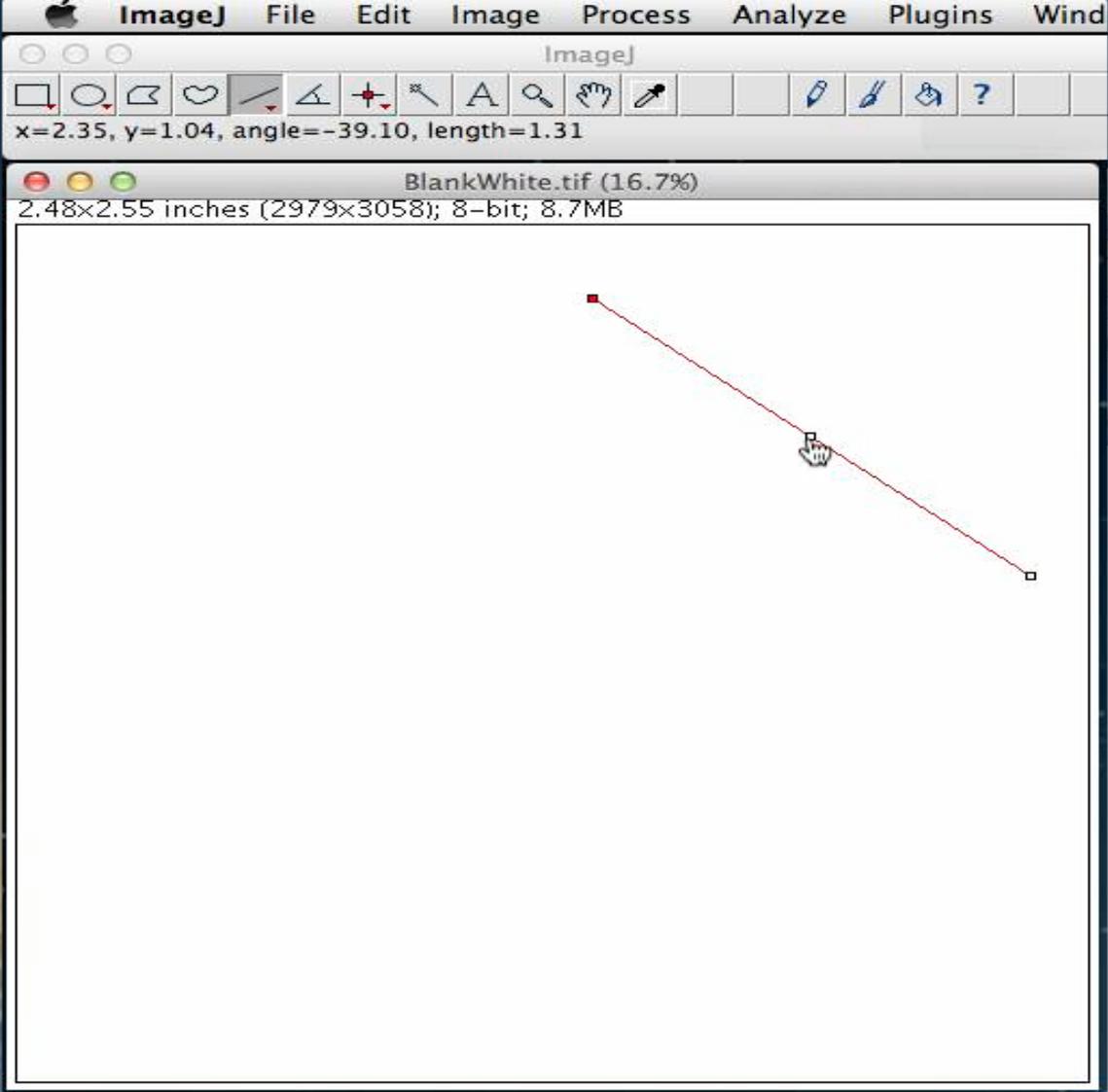
Grabbing the mid section point allows you to move the line horizontally or vertically without change length or direction of the line segment.
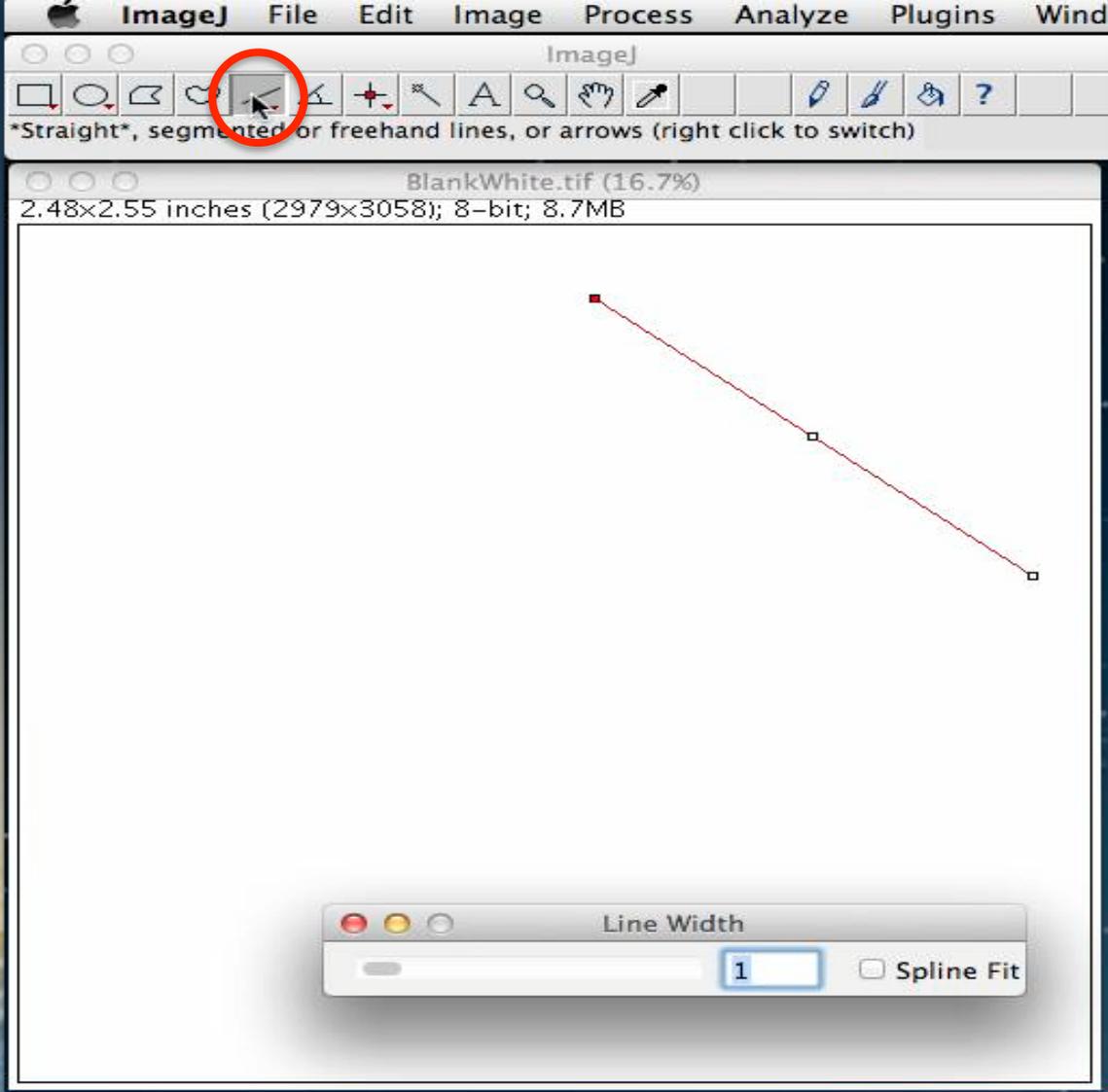
Double click the "line draw" icon and the "Line Width" window pops open.
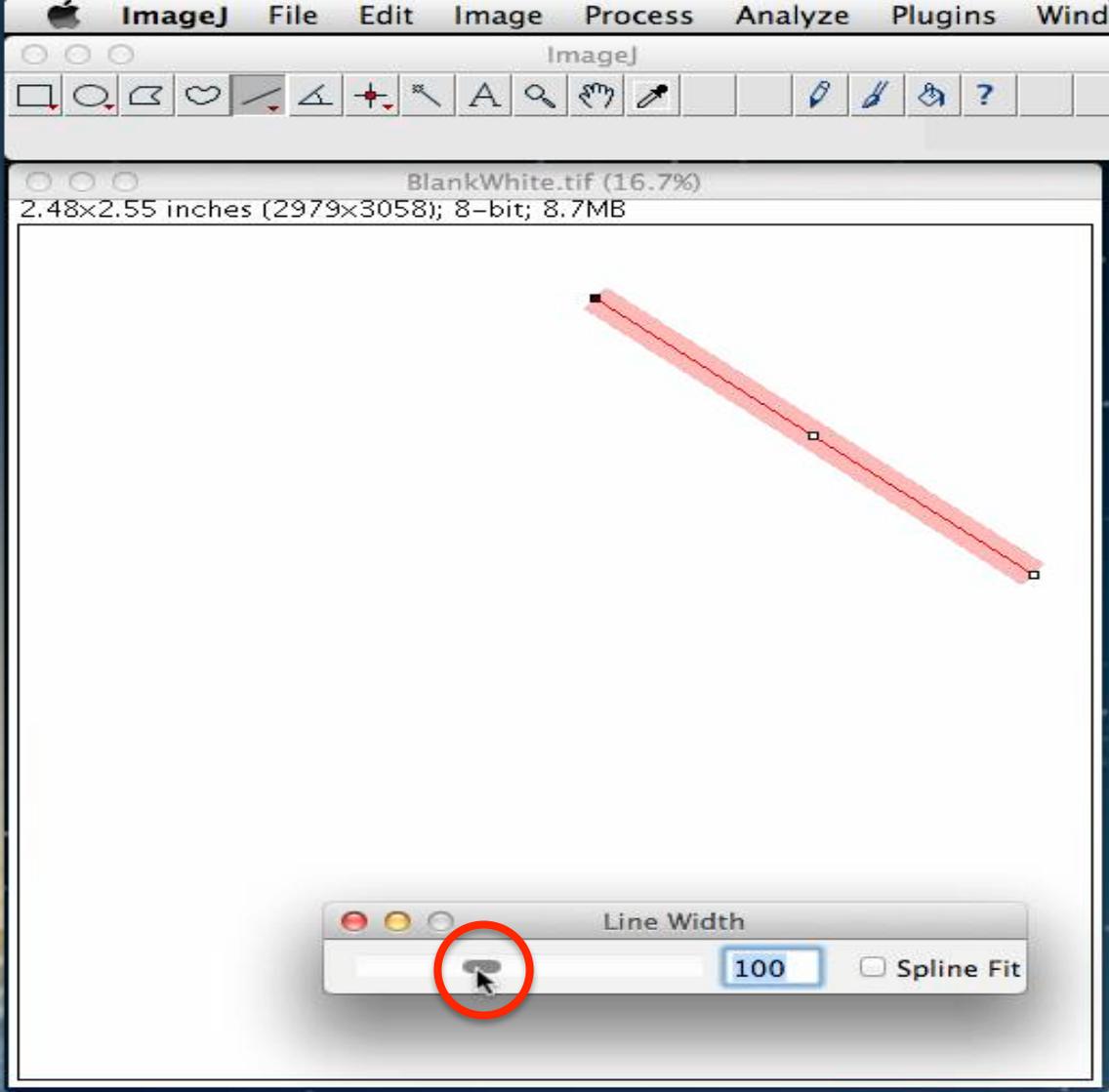
Use the slider or type in a value for your line thickness.
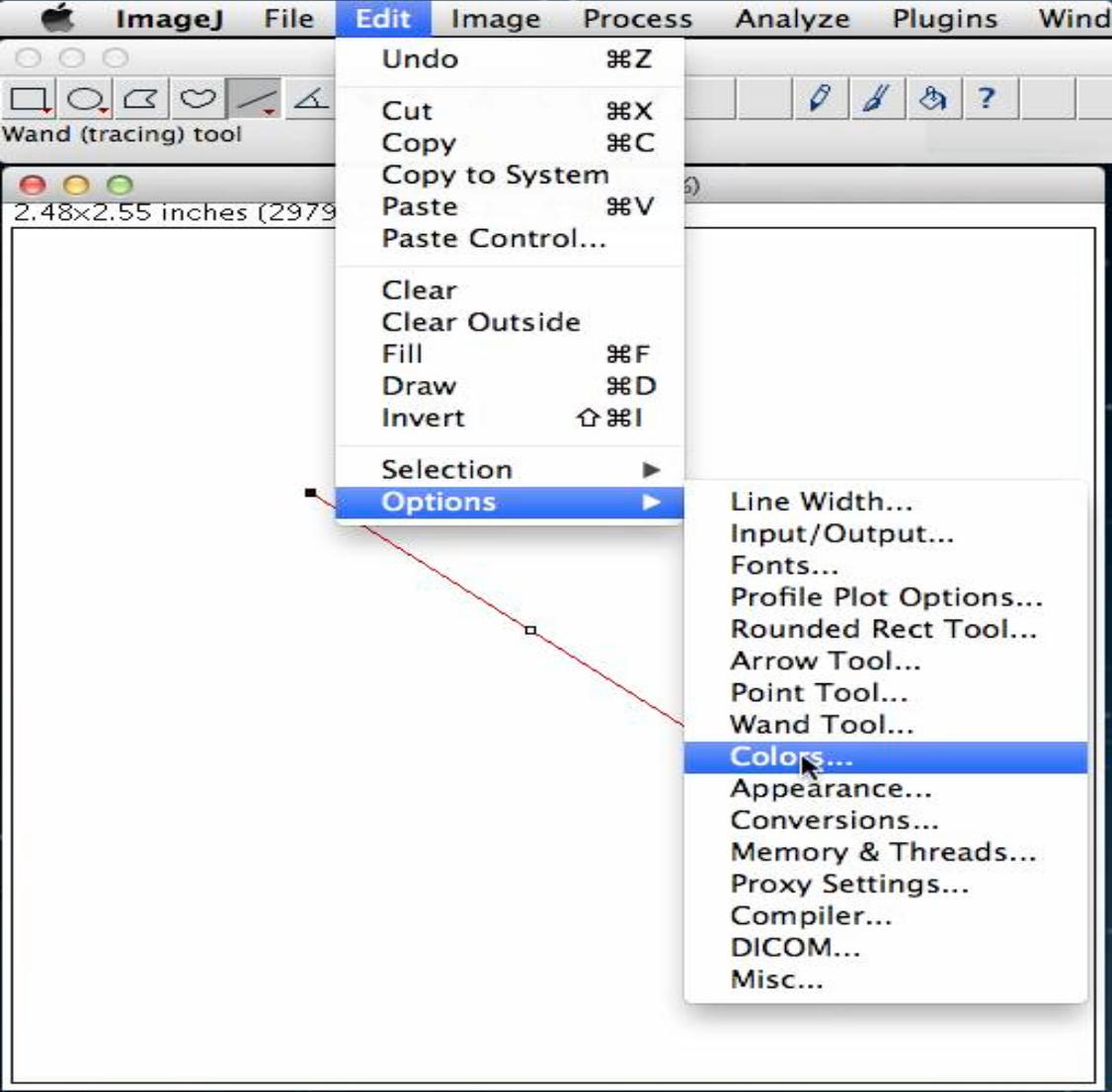
To change the color of your line for ease of viewing, go to "Edit" --> "Options" and then click on "Colors".
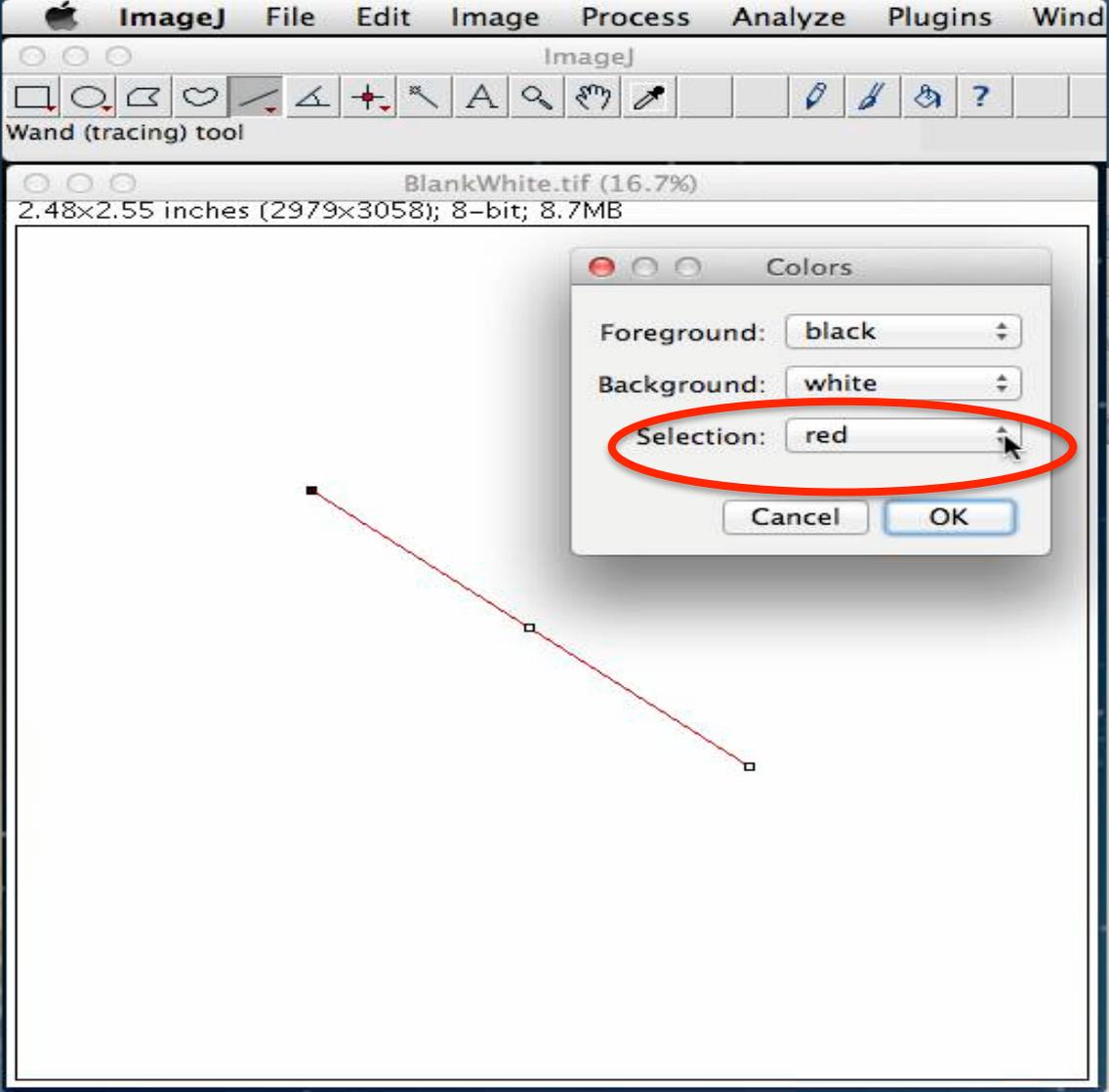
"Colors" window pops open and you can select from a variety of colors.
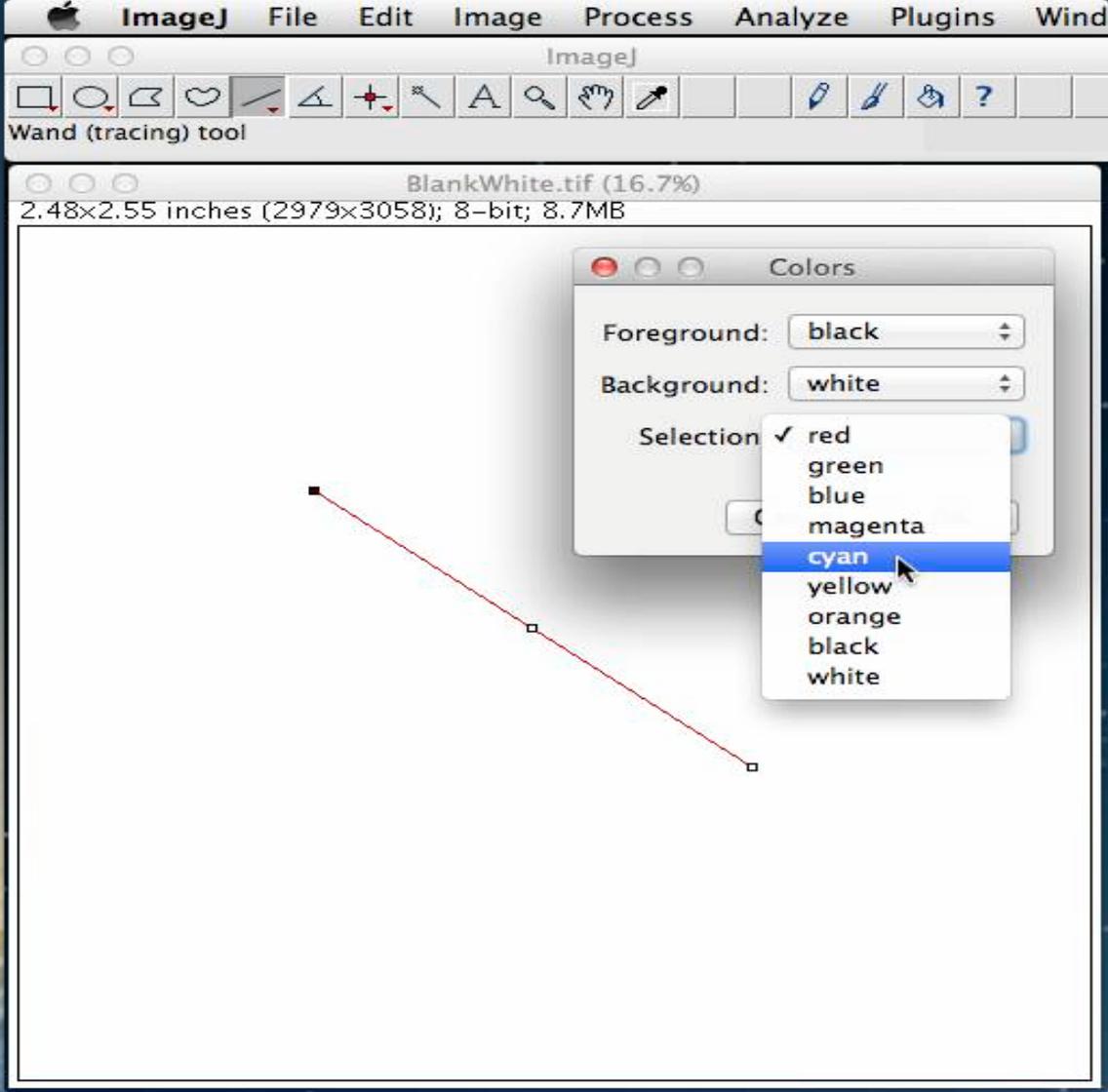
In this example "cyan" was selected. Choose whatever color is appropriate for your background or for the strength of emphasis.
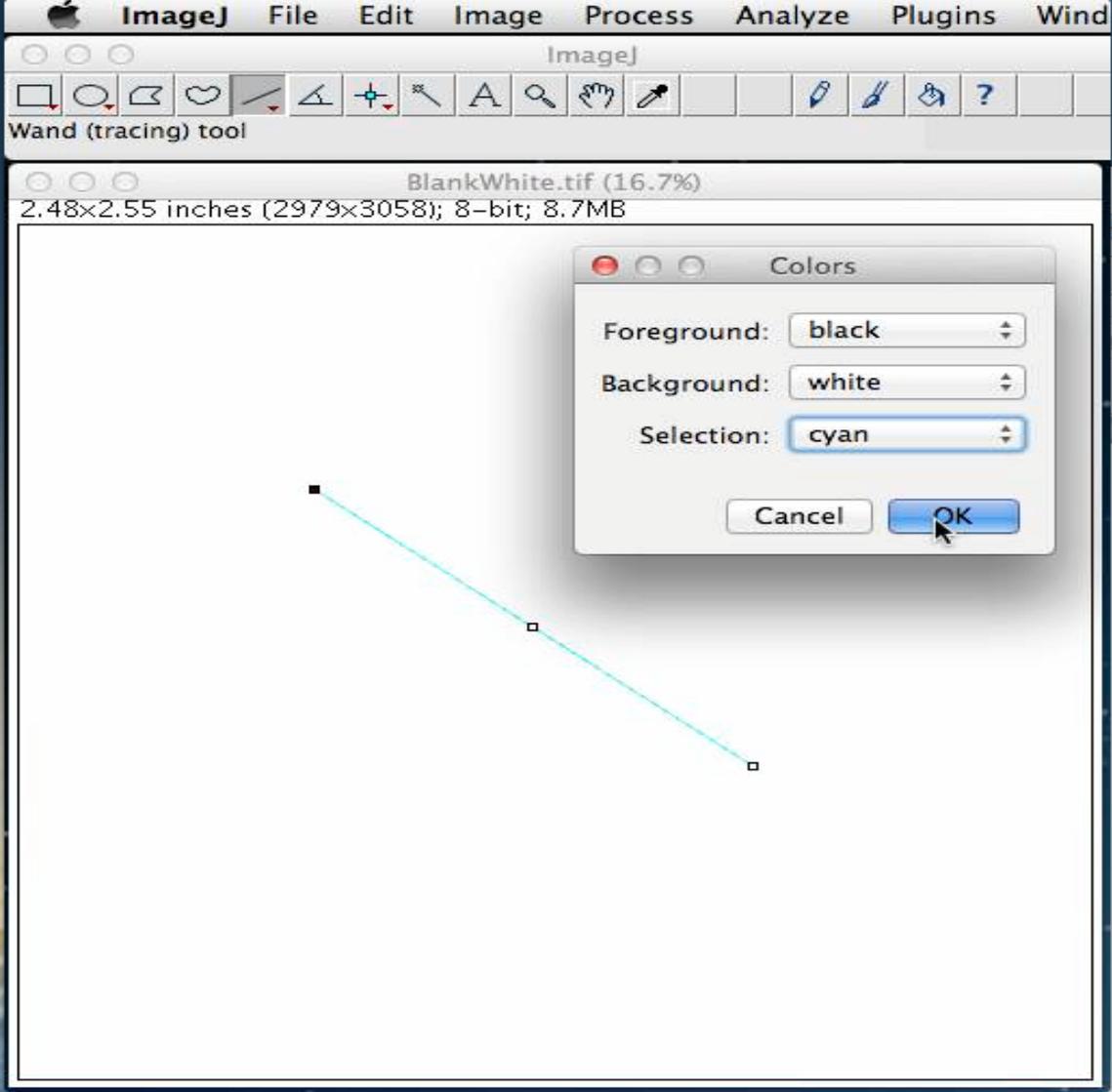
You're done with color change. A simple single click within your image will delete your line and you can draw another one. If you want your line to be permanent, go to "Image" --> "Overlay" and then click on "Add Selection". Your line now becomes permanent. Repeat as necessary to add more. "Remove Overlay" will remove eveything or use "Edit" --> "Undo" to remove one by one.
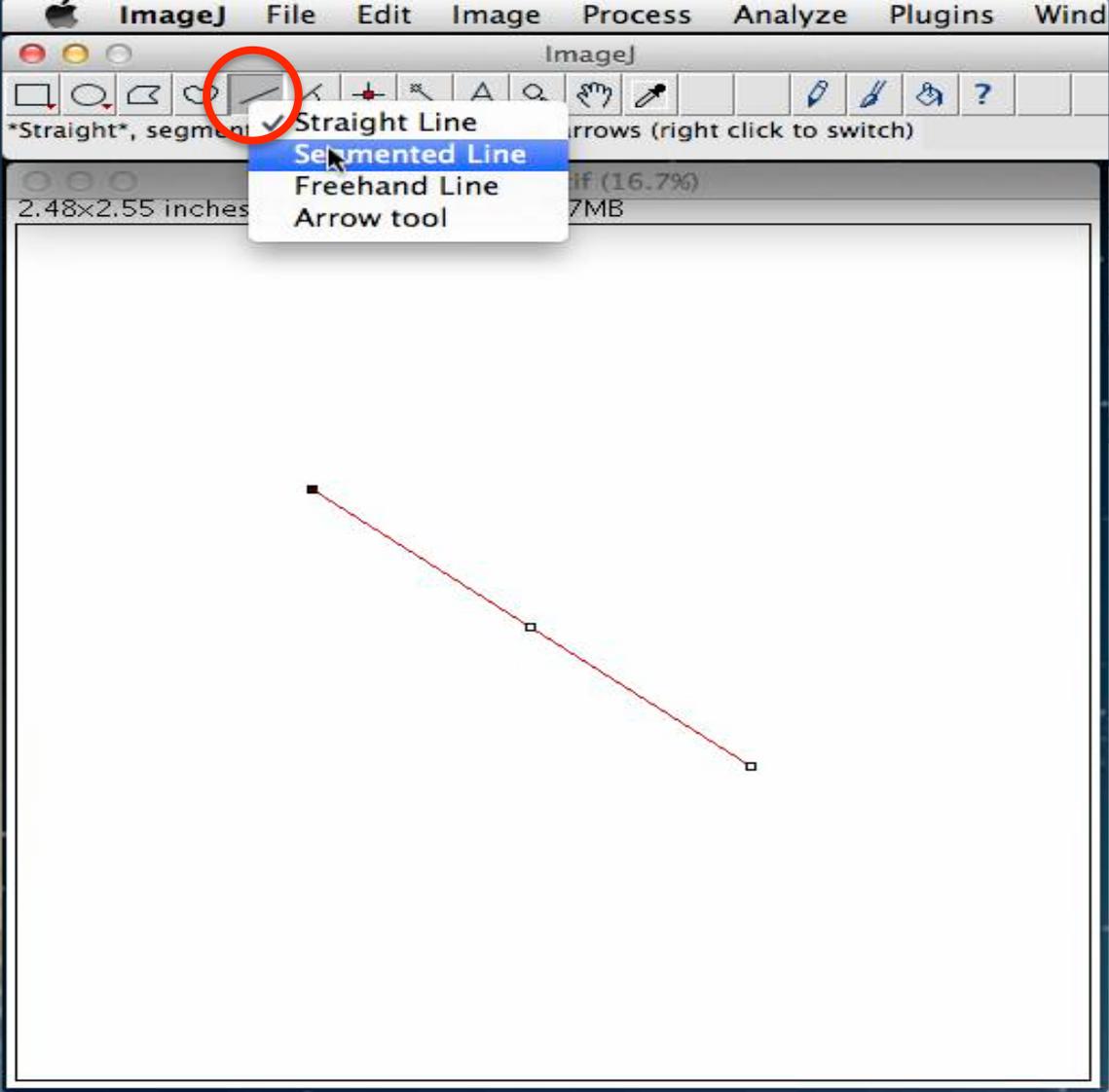
Now let's draw a series of connected line segments. Click on your "Line draw" icon and select "Segmented Line". For Mac's, this is Control Click.
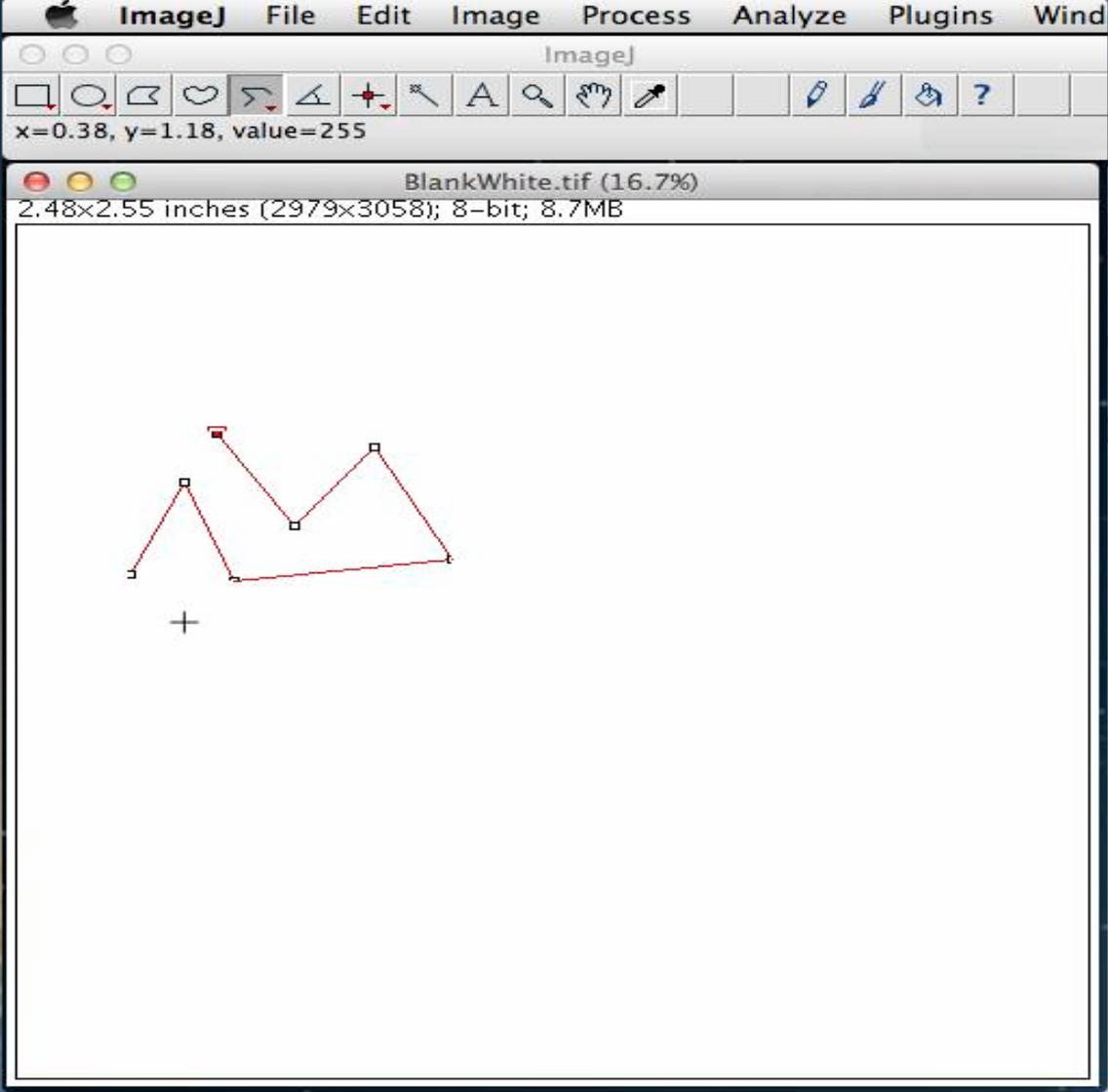
Put your cursor where you want to start, give a quick click. Move your cursor to a new spot, click again. Repeat as many times as needed. A doubleclick will bring the line segment to an end point.
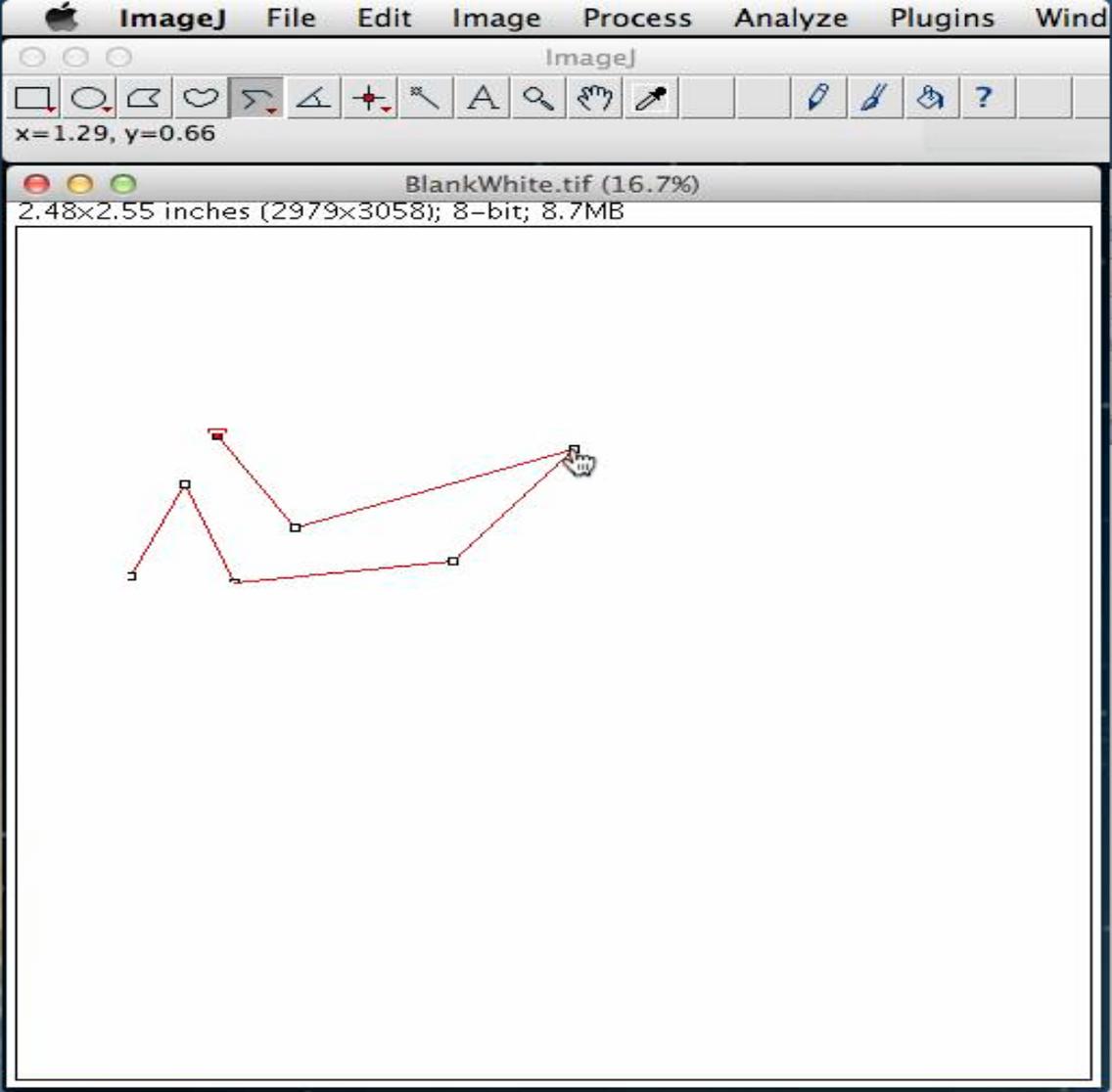
Put your cursor on any end point or connection point. Click and hold, drag the point to a new spot and release your click.
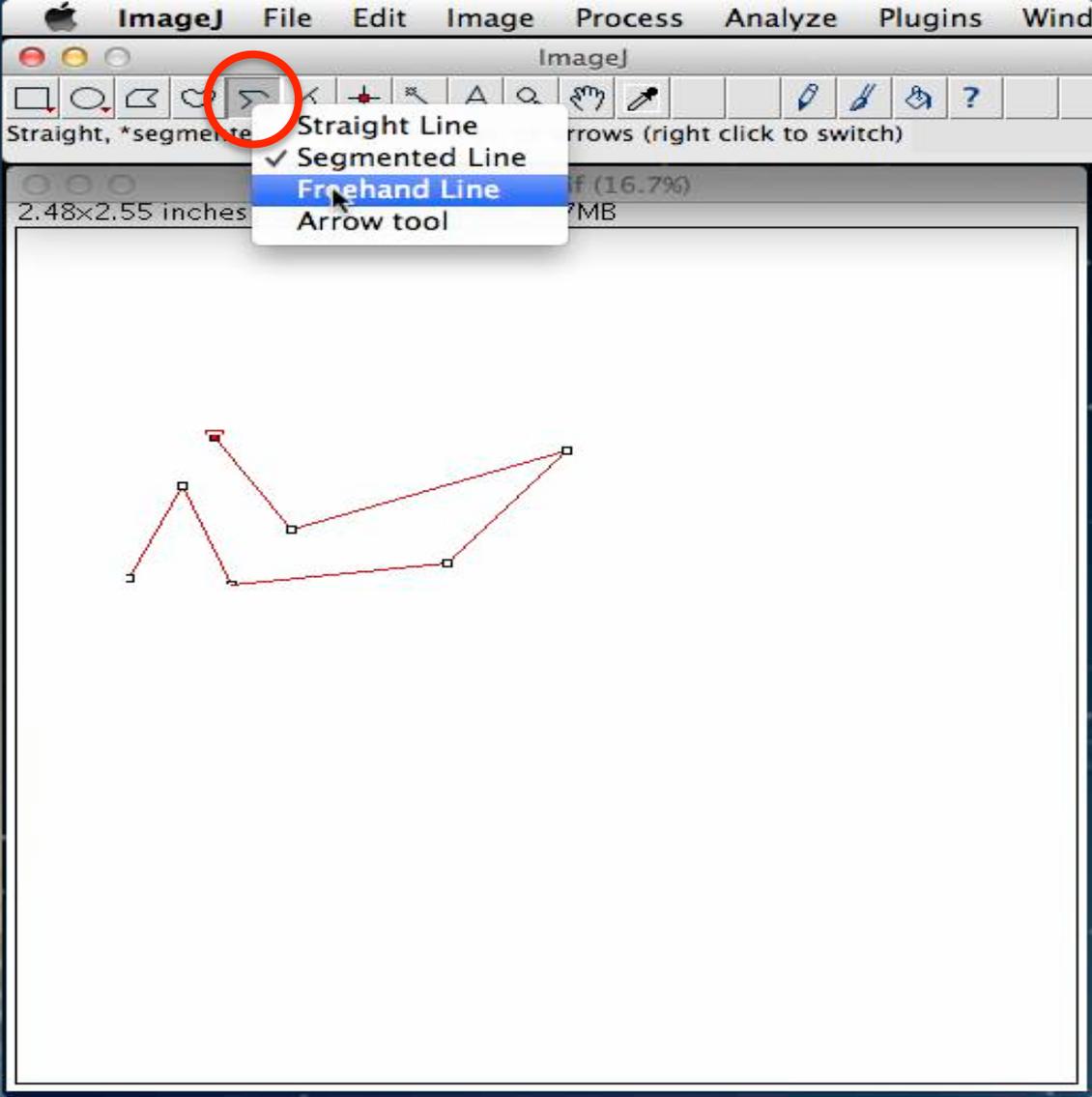
Now let's try some freehand drawing. Click on the "Line draw" icon (or Control Click) so that you can select the "Freehand Line" mode.
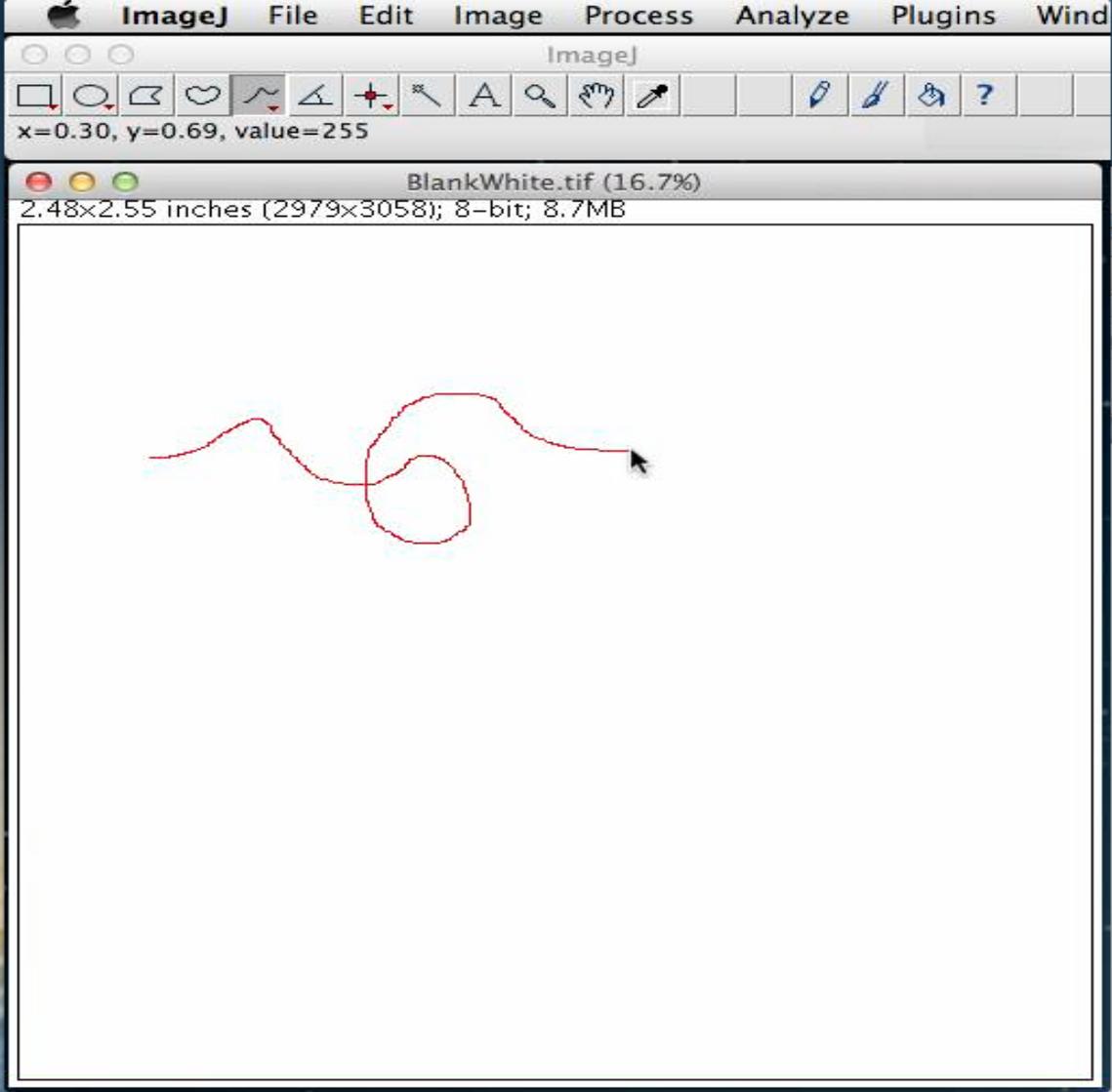
Put your cursor where you want to start, click and hold, draw as you see fit. Release the click and the line is done. You will not be able to move line around.