

How do I search for histones and their post-translational modifications?

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Histones have an arsenal of potential post-translational modifications (PTMs), that can be detected with antibodies

Follow these steps to find an antibody that detects a specific modification at a specific residue on a specific histone. Start by searching for your histone in Selector. For example, **histone H3**.

The screenshot shows a search interface with a dark blue theme. On the left, a sidebar lists 'Product Type' with 'Antibody' selected. The main search bar contains the text 'histone h3'. Below the search bar, there are 'Search Suggestions' and a button labeled 'Target/Protein HISTONE H3'. To the right of this button, it says '15,778 Figures' with a right-pointing arrow.

You can then use the **Target PTM** filter to specify the type of modification and residue such as *trimethylation* at *lysine 27*.

The screenshot shows a 'Target PTM' filter interface. On the left is a sidebar with various filter categories: Supplier Filters, Availability, Company, Antibody Specs, Verification, Reactivity, Host, Isotype, Immunogen, Clonality, Clone ID, Target PTM (highlighted), Conjugation, Specificity, Additional Specs, and Kits. The main panel has a search bar 'Search Target PTM' and a 'Selected Filters' section showing 'Antibody Target PTM Lysine 27' and 'Antibody Target PTM Trimethyl'. Below this is a table of PTMs with checkboxes, names, and counts for 'Published Figures' and 'Supplier Figures'.

PTM	Published Figures	Supplier Figures
<input type="checkbox"/> Phospho	3 K	1.4 K
<input type="checkbox"/> Serine 10	2.8 K	749
<input type="checkbox"/> Acetyl	2.4 K	302
<input checked="" type="checkbox"/> Lysine 27	2.3 K	121
<input checked="" type="checkbox"/> Trimethyl	2.2 K	289
<input type="checkbox"/> Dimethyl	241	193

At the bottom of the table are 'CANCEL' and 'APPLY' buttons.

Alternatively, search for the modified histone by typing its name into the search bar as **H3K27me3**.

Product Type Antibody	Q Enter protein/gene target, clone ID, catalog #... h3k27me
	Search Suggestions
	Q Target/Protein H3K27ME 311 Figures >

Using these tips, you can easily find antibodies to a wide array of histone modifications!

Please check out our [Guide to Filters for Antibodies](#) in Selector to learn more about our filters!