

Targeting post-translationally modified proteins with antibodies

Last Modified on 17/03/2023 10:05 am EDT

Use the **Target PTM** filter to find antibodies specific for a post-translational modification on your target/protein

When it's important that your antibody is specific to a post-translationally modified target, use the **Target PTM** filter. You can narrow your search results for a type of modification (e.g. phosphorylation, acetylation) or locus (Ser311, Tyr8).

For example, if you want an antibody against *pTDP43* (or *phospho TDP 43*):

1. Set your **product type** to *antibody*
2. Search for TDP43 as your target
3. Using the **Target PTM** side filter, select *Phospho*

The screenshot shows the BenchSci website interface. On the left is a sidebar with various filters: Cell Type Used, Cell Line Used, Disease, Supplier Filters, Availability, Company, Antibody Specs, Verification, Reactivity, Host, Isotype, Immunogen, Clonality, Clone ID, Target PTM (highlighted with a red box), Conjugation, and Specificity. The main search bar at the top has 'Antibody' as the product type, 'Phospho' as the target PTM, and 'TDP43 (HUMAN)' as the target protein. Below the search bar, there are tabs for 'PRODUCTS (30)' and 'FIGURES (3)'. The results section displays three antibody entries, each with a checkbox, a primary antibody icon, a title (e.g., 'Anti-phospho-TDP-43 [pSer409] antibody produced in rabbit'), the supplier (Sigma-Aldrich), and a clone ID. Each entry also includes a thumbnail image (e.g., a fluorescence microscopy image or a Western blot) and a 'Save to List' button. The 'Target PTM' filter is highlighted with a red box in the sidebar.

Learn more about how we handle [aliases and target synonyms here](#).

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