

How do you account for aliases for genes and targets?

Last Modified on 16/03/2023 1:25 pm EDT

The ASCEND platform is backed by a proprietary bioinformatics database to account for, track, and link the different syntaxes and aliases of a target/protein

There's no need to ask yourself, *"Should this target name have a space, a comma, or maybe a dash?"* and run separate searches for each variation. You'll receive comprehensive results regardless of how your search term was referred to in the literature or vendor catalogs.

Selector uses a **preferred name** for a gene and links it to all known species-specific aliases from our bioinformatics database. The preferred gene name is linked to related products and proteins on our platform, each of which has its own set of aliases.

For example, you can search for **SOD1**, **SOD 1**, **Superoxide dismutase 1**, **Superoxide dismutase 1 [Cu-Zn]**, **ALS1**, **Amyotrophic Lateral Sclerosis 1**, and **HSOD1** and have confidence you'll see the same results because our platform knows you're referring to the same target.

Select Antibodies with Confidence

Leverage experiment-specific insights to quickly and easily find appropriate antibodies.

e.g. "TLR4 human" or "PC10 western blot"/>

Resources to Help You Get Started

It's easy to get started with BenchSci—and we're always here to help.

ASCEND's comprehensive bioinformatic mapping not only applies to target proteins but also to the experimental context used to narrow down your search. This gives you the ability to use alternate names or abbreviations to search for **applications**, **organisms**, **tissues**, **cell types**, **cell lines**, and **diseases** within the Figure Usage Data filters.

Reagent Selection

Product Type
Antibody

Enter protein/gene target, clone ID, catalog #...
e.g., "TLR4 human" or "PC10 western blot"

Filters

Application

Figure Usage Data ⓘ

Organism Tested

Tissue Used

Cell Type Used

Cell Line Used

Disease

Supplier Filters

Availability

Company

FIGURES (7.5 M)
PRODUCTS (10.8 M)

☒ Published (3,855,418)
☒ Supplier (3,474,440)
☒ Third Party (116,403)

Published Figure
The Journal of Biological Chem... 2009

FCy IP WB

Published Figure
Journal of Biomedicine and Bio... 2010

IF

Published Figure
Biological Research 2020

WB

By default, aliases will remain hidden. However, you can choose to display aliases by clicking the "**See Aliases**" button within a filter.

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Our main source for alias information is **UNIPROT** however, our team of PhD scientists augments this database internally. We are continuously updating our collections of aliases based on the latest publications, vendor updates/mergers, and any other changes in the field. If you think we're missing an alias, [please let us know](#) so we can add it to our database.