

# Anti-TurboID/MiniTurbo antibody

Catalog: PHY6541A

## Product Information

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|---------------------------------|---|
| <b>Description:</b>             | Rabbit polyclonal antibody  |
| <b>Background:</b>              | TurboID and MiniTurbo are two engineered, promiscuous mutants of biotin ligase, BirA, which can label near-neighbor proteins with biotin substrate. As one of the Enzyme-catalyzed proximity labeling (PL) technologies, TurboID and miniturbo are widely used to study the spatial and interaction characteristics of proteins in living cells due to their non-toxicity and greater catalytic efficiency. |
| <b>Synonyms:</b>                | TurboID/MiniTurbo   |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from TurboID/MiniTurbo (mutated BirA protein) which is referenced from the literature: Branon et al., 2018, DOI: 10.1038/nbt.4201.   |
| <b>Form:</b>                    | Lyophilized   |
| <b>Quantity:</b>                | 150 µg  |
| <b>Purification:</b>            | Immunogen affinity purified   |
| <b>Reconstitution:</b>          | Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol.<br>"Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".  |
| <b>Stability &amp; Storage:</b> | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70°C as supplied.<br>6 months, -20 to -70°C under sterile conditions after reconstitution.<br>1 month, 2 to 8°C under sterile conditions after reconstitution.   |
| <b>Shipping:</b>                | The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.   |

## Application Information

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| <b>Recommended Dilution:</b>   | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user. |
| <b>Expected / apparent MW:</b> | 35 kDa (TurboID); 28 kDa (MiniTurbo)   |
| <b>Predicted Reactivity:</b>   | The sequence of the synthetic peptide used for immunization is 93%   |

Research Use Only

(14/15) homologues with the sequence in BirA (P06709).

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).