

Anti-TurboID/MiniTurbo Antibody

Catalog: PHY6541S

Product Information

Description:	Rabbit polyclonal antibody
Background:	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.
Synonyms:	TurboID/MiniTurbo
Immunogen:	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.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl of sterile water. "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".
Stability &Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	35 kDa (TurboID); 28 kDa (MiniTurbo)

Research Use Only

Predicted Reactivity:

The sequence of the synthetic peptide used for immunization is 93% (14/15) homologues with the sequence in BirA (P06709).

For more species homologues information, please contact tech support at tech@phytoab.com.