

## Anti-TPH2 Antibody (Monoclonal, 35T28)

Catalog Number: M01643-1

### About Tph2

TPH2 protein is a key enzyme in the synthesis of serotonin in the brain. It is mainly expressed in the brain and is responsible for converting tryptophan to 5-hydroxytryptophan, a precursor of serotonin. TPH2 plays a crucial role in regulating mood, anxiety, and stress responses. Variations in the TPH2 gene have been associated with several psychiatric disorders, including depression and bipolar disorder. Additionally, TPH2 expression can be regulated by various factors, such as hormones and environmental stimuli (PMID: 22241550, PMID: 29775696, PMID: 32119710, PMID: 40204433).

### Overview

Product Name	Anti-TPH2 Antibody (Monoclonal, 35T28)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-TPH2 Antibody (Monoclonal, 35T28) catalog # M01643-1. Tested in WB, IHC, IP applications. This antibody reacts with Mouse, Rat.
Application	IP, IHC, WB
Clonality	Monoclonal 35T28
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8CGV2

### Technical Details

Immunogen	Recombinant protein with Human THP2 aa 3-488.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200

ImmunoPrecipitation, 1:50

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