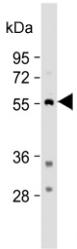
Tryptophan Hydroxylase Antibody / TPH1 (F54902)

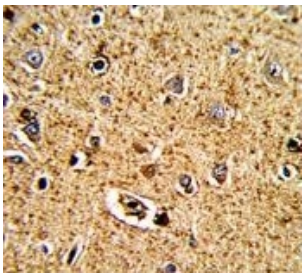
Catalog No.	Formulation	Size
F54902-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54902-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

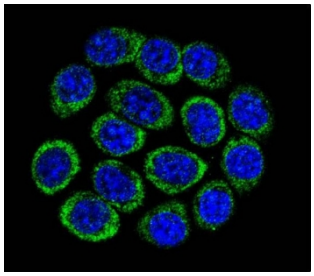
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P17752
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:10-1:50 Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500
Limitations	This Tryptophan Hydroxylase antibody is available for research use only.



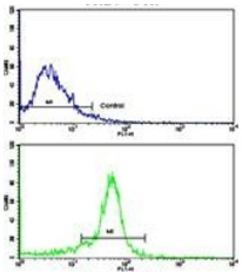
Western blot testing of human HEK293 cell lysate with Tryptophan Hydroxylase antibody. Predicted molecular weight ~51 kDa.



IHC testing of FFPE human brain tissue with Tryptophan Hydroxylase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human ThP1 cells with Cytokeratin 18 antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human WiDr cells with Tryptophan Hydroxylase antibody; Blue=isotype control, Green= Tryptophan Hydroxylase antibody.

Description

TPH1 is a member of the aromatic amino acid hydroxylase family. This protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Tryptophan Hydroxylase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 35-62 from the human protein was used as the immunogen for the Tryptophan Hydroxylase antibody.

Storage

Aliquot the Tryptophan Hydroxylase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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