

TPH1 / TPH Antibody
Sheep Polyclonal Antibody
Catalog # ALS15128**Specification**

TPH1 / TPH Antibody - Product Information

Application	WB, IHC
Primary Accession	P17752
Reactivity	Human, Rat, Rabbit
Host	Sheep
Clonality	Polyclonal
Calculated MW	51kDa KDa

TPH1 / TPH Antibody - Additional Information**Gene ID** 7166**Other Names**

Tryptophan 5-hydroxylase 1, 1.14.16.4, Tryptophan 5-monoxygenase 1, TPH1, TPH, TPRH, TRPH

Target/Specificity

Specific for the ~55k tryptophan hydroxylase protein

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

TPH1 / TPH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TPH1 / TPH Antibody - Protein Information**Name** TPH1**Synonyms** TPH, TPRH, TRPH**Function**

Oxidizes L-tryptophan to 5-hydroxy-L-tryptophan in the rate-determining step of serotonin biosynthesis.

Tissue Location

[Isoform 2]: Seems to be less widely expressed than isoform 1.

Volume

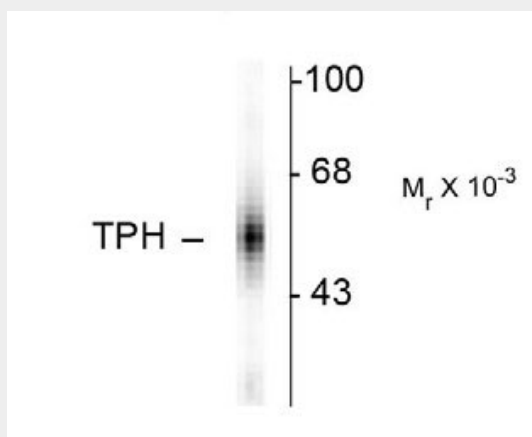
50 µl

TPH1 / TPH Antibody - Protocols

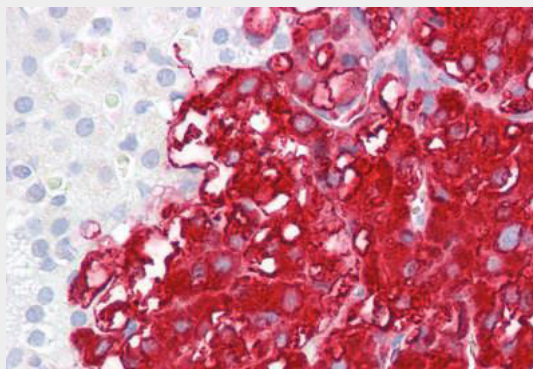
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TPH1 / TPH Antibody - Images



Western blot of human dorsal Raphe nucleus showing specific immunolabeling of the ~55k...



Anti-TPH1 / TPH antibody IHC of adrenal.

TPH1 / TPH Antibody - References

- Boulalard S., et al. *Nucleic Acids Res.* 18:4257-4257(1990).
Tipper J.P., et al. *Arch. Biochem. Biophys.* 315:445-453(1994).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Wang G.A., et al. *J. Neurochem.* 71:1769-1772(1998).
Wang L., et al. *Biochemistry* 41:12569-12574(2002).