

Product datasheet

Anti-Tryptophan Hydroxylase/TPH (phospho S260) antibody ab30574

4 References 1 Image

Overview

Product name	Anti-Tryptophan Hydroxylase/TPH (phospho S260) antibody
Description	Rabbit polyclonal to Tryptophan Hydroxylase/TPH (phospho S260)
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat
Immunogen	Synthetic peptide corresponding to Rat Tryptophan Hydroxylase/TPH (phospho S260).
Positive control	Rat brain stem lysate, human dorsal Raphe nucleus.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.238% HEPES, 50% Glycerol, 0.87% Sodium chloride, 0.01% BSA
Purity	Immunogen affinity purified
Purification notes	Ab30574 was affinity purified via sequential chromatography on phospho and dephosphopeptide affinity columns.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab30574 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 55 kDa (predicted molecular weight: 51 kDa).

Target

Tissue specificity

Isoform 2 seems to be less widely expressed than isoform 1.

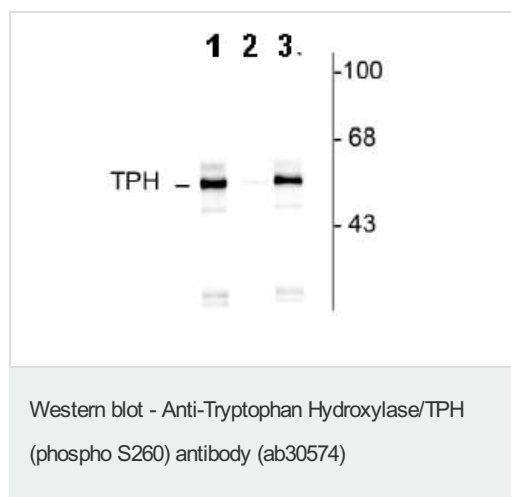
Pathway

Aromatic compound metabolism; serotonin biosynthesis; serotonin from L-tryptophan: step 1/2.

Sequence similarities

Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.
Contains 1 ACT domain.

Images



All lanes : Anti-Tryptophan Hydroxylase/TPH (phospho S260) antibody (ab30574) at 1/1000 dilution

Lane 1 : rat brain stem lysate (control)

Lane 2 : rat brain stem lysate, incubated with S260 phosphopeptide (negative control)

Lane 3 : rat brain stem lysate, incubated with corresponding non phosphopeptide.

Lysates/proteins at 15 µg per lane.

Predicted band size: 51 kDa

Observed band size: 55 kDa

Additional bands at: <43 kDa, 48 kDa, 59 kDa. We are unsure as to the identity of these extra bands.

In lane 2, the labeling is specifically blocked by the S260 phosphopeptide used as antigen.

In lane 3, the corresponding nonphosphopeptide did not block the immunolabeling.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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