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Datasheet for ABIN5515752 **anti-PTS antibody (N-Term)**

Overview

Quantity:	100 µL
Target:	PTS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Horse, Pig, Cow, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human PTPS
Sequence:	SKFLSDEENL KLFGKCNNPN GHGHNYKVVV TVHGEIDPAT GMVMNLADLK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against PTPS. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PTS
Alternative Name:	PTPS (PTS Products)

Target Details

Background: The enzyme encoded by this gene catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in this gene result in hyperphenylalaninemia.

Alias Symbols: PTS,

Protein Interaction Partner: COIL, SDCBP, LNX1, THAP10, PTS, ASB5, ASB1, WDYHV1, FXR2, UBC, SMURF1, AGO4, FNDC5, PRKG2, PBRM1, PRKDC, ATR, ATM,

Protein Size: 145

Gene ID: 5805

NCBI Accession: [NP_000308](#)

UniProt: [Q03393](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.