



Anti-PTPN5 (aa 388-486) polyclonal antibody (DPAB-DC3502)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	PTPN5 (protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)) is a protein-coding gene. Diseases associated with PTPN5 include alzheimer's disease, and schizophrenia, and among its related super-pathways are MAPK signaling pathway and Signal transduction Erk Interactions- Inhibition of Erk. GO annotations related to this gene include phosphotyrosine binding and protein tyrosine phosphatase activity. An important paralog of this gene is PTPN7.
Immunogen	PTPN5 (NP_116170, 388 a.a. ~ 486 a.a) partial recombinant protein with GST tag. The sequence is WQEHTPIIVMITNIEEMNEKCTEYWPEEQVAYDGVEITVQKVIHTEDYRLRLISLKGTE ERGLKHYWFTSWPDQKTPDRAPPLLHLVREVEAAQQEG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTPN5 protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched) [Homo sapiens (human)]
Official Symbol	PTPN5
Synonyms	PTPN5; protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched); STEP; PTPSTEP; tyrosine-protein phosphatase non-receptor type 5; neural-specific protein-tyrosine phosphatase; protein-tyrosine phosphatase striatum-enriched; striatum-enriched protein-tyrosine phosphatase;
Entrez Gene ID	84867
Protein Refseq	NP_001035059
UniProt ID	P54829
Chromosome Location	11p15.1
Pathway	EGFR1 Signaling Pathway;
Function	phosphotyrosine binding; protein tyrosine phosphatase activity;
