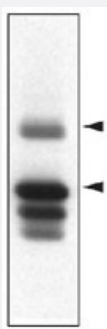


Ptpn5 monoclonal antibody, clone 23E5

Catalog # MAB2403

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of Ptpn5 in striatal rat protein homogenates using Ptpn5 monoclonal antibody, clone 23E5 (Cat # MAB2403) .

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of Ptpn5.
Immunogen	A synthetic peptide corresponding to amino acids 57-74 of mouse Ptpn5.
Sequence	MCTPGCNEEGFGYLVSPR
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to STEP61, STEP46, STEP38, and STEP20.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.09% sodium azide
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of Ptpn5 in striatal rat protein homogenates using Ptpn5 monoclonal antibody, clone 23E5 (Cat # MAB2403) .

Gene Info — Ptpn5

Entrez GeneID [29644](#)

Gene Name Ptpn5

Gene Alias STEP

Gene Description protein tyrosine phosphatase, non-receptor type 5

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations -

Publication Reference

- [A role for calmodulin-stimulated adenylyl cyclases in cocaine sensitization.](#)

DiRocco DP, Scheiner ZS, Sindreu CB, Chan GC, Storm DR.

Journal of Neuroscience 2009 Feb; 29(8):2393.

- [Synaptic plasticity \(and the lack thereof\) in hippocampal CA2 neurons.](#)

Zhao M, Choi YS, Obrietan K, Dudek SM.

Journal of Neuroscience 2007 Oct; 27(44):12025.

Application: IHC, Rat, Rat brain

- [Status epilepticus-induced somatostatinergic hilar interneuron degeneration is regulated by striatal enriched protein tyrosine phosphatase.](#)

Choi YS, Lin SL, Lee B, Kurup P, Cho HY, Naegele JR, Lombroso PJ, Obrietan K.

Journal of Neuroscience 2007 Mar; 27(11):2999.

Application: IF, IHC, WB-Ti, Mouse , Mouse hippocampus