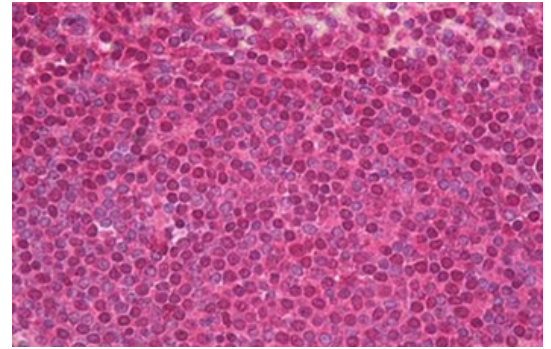


AM32454PU-N**Monoclonal Antibody to PTPN7 / HEPTP - Ig Fraction**

Alternate names:	Hematopoietic protein-tyrosine phosphatase, Protein-tyrosine phosphatase LC-PTP, Tyrosine-protein phosphatase non-receptor type 7
Quantity:	50 µl
Background:	HePTP, a R7 non-receptor protein tyrosine phosphatase, has been shown to affect T cell receptor signaling. HePTP negatively regulates expression of MAP kinases Erk1, Erk2 and p38 by dephosphorylating the critical phosphorylated tyrosine residue in their activation loop. HePTP has also been suggested to mediate interactions between cAMP system and MAP-kinase cascade. Mice deficient in HePTP show enhanced activation of ERK after phorbol myristate acetate and anti-CD3-mediated T-cell receptor stimulation. HePTP is located on the chromosome region 1q32.1, which is known to be a site associated with chromosomal deletion in malignant lymphomas, where candidate tumor suppressor genes might be present.
Uniprot ID:	P35236
NCBI:	NP_542155.1
GeneID:	5778
Host / Isotype:	Mouse / IgG1
Clone:	AFP32
Immunogen:	Recombinant Human PTPN7 purified from E. coli
Format:	State: Liquid Ig fraction Purification: Ammonium Sulfate Precipitation Buffer System: HEPES with 0.15M NaCl, 0.01% BSA, 0.03% Sodium Azide, and 50% Glycerol
Applications:	ELISA. Immunohistochemistry on Paraffin Sections: 1/200. Western Blot: 1/5000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human PTPN7 / HEPTP.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Formalin-Fixed, Paraffin-Eembedded Human Spleen tissue stained with PTPN7 / HEPTP Antibody Cat.-No AM32454PU-N at 1/200 dilution after heat-induced antigen retrieval.



Formalin-Fixed, Paraffin-Eembedded Human Tonsil tissue stained with PTPN7 / HEPTP Antibody Cat.-No AM32454PU-N at 1/200 dilution after heat-induced antigen retrieval.

