

Product datasheet for **AM20165PU-N**

ZAP70 (full length) Mouse Monoclonal Antibody [Clone ID: 11H40]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11H40
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 20 µg/ml. Western Blot: 1 µg/ml.
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Recombinant full length Human Zap70 protein
Specificity:	Recognizes Protein Tyrosine Kinase ZAP70.
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 50% Glycerol State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	zeta chain of T cell receptor associated protein kinase 70kDa
Database Link:	Entrez Gene 301348 Rat Entrez Gene 7535 Human P43403



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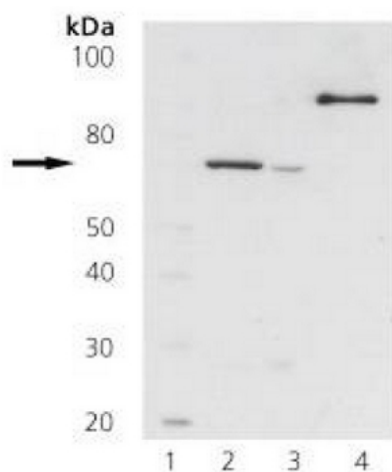
Background: Zap-70 (Zeta-Associated-Protein 70), a member of the Syk family of protein tyrosine kinases (PTK), is responsible for the selective activation of T cells. Zap-70 is activated by phosphorylation of Tyrosine residues 292/315/319 by either Src PTKs or autophosphorylation. Altered Zap-70 expression is associated with immunodeficiency diseases, including chronic lymphocytic leukemia where it correlates with disease state and progression. ZAP70 is a tyrosine kinase that associates with the T-cell antigen receptor zeta chain and mediates lymphocyte activation. Defects in ZAP70 cause immunodeficiency diseases such as selective T-cell defect.

Synonyms: ZAP-70, ZAP 70, SRK

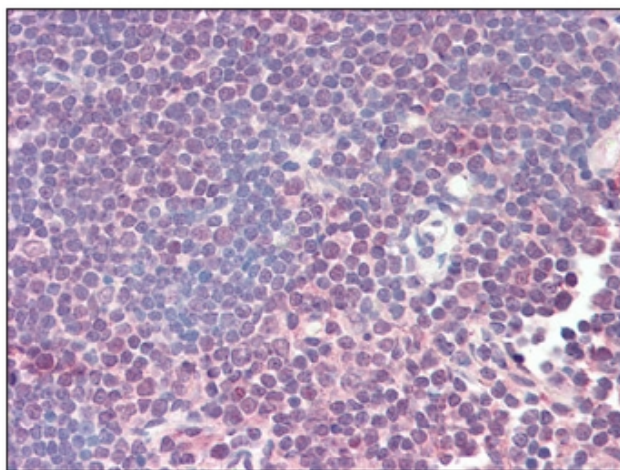
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway

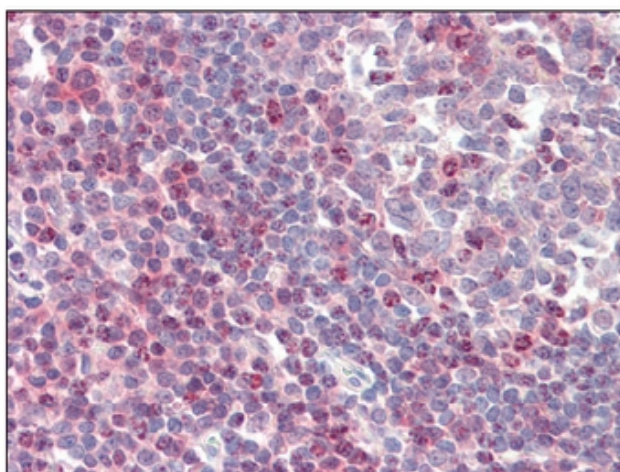
Product images:



Western Blot analysis: Lane 1: MW marker Lane 2: Jurkat Lane 3: Rat thymus Lane 4: Human recombinant GST-tagged Zap-70



Immunohistochemistry: ZAP70 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Thymus at 20 ug/ml



Immunohistochemistry: ZAP70 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Tonsil at 20 ug/ml