

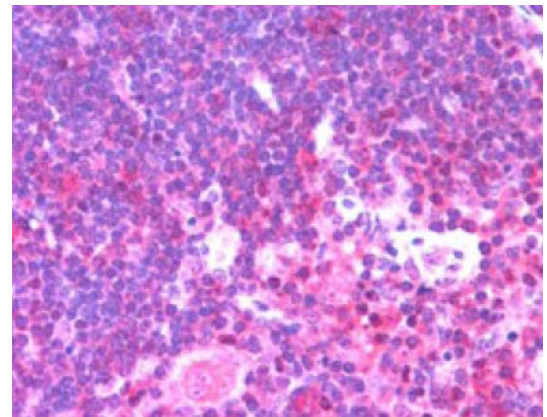
## AP16521PU-N

## Polyclonal Antibody to UNC13D - Aff - Purified

<b>Alternate names:</b>	Munc13-4, Protein unc-13 homolog D
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	Secretion of the contents of cytolytic granules at the immunologic synapse is a highly regulated process essential for lymphocyte cytotoxicity. This process requires the rapid transfer of perforin containing lytic granules to the target cell interface, followed by their docking and fusion with the plasma membrane. Munc 13-4 localises with cytotoxic granules at the immunologic synapse. Munc 13-4 is essential for the priming step of cytolytic granule secretion preceding vesicle membrane fusion. There are two named isoforms.
<b>Uniprot ID:</b>	<a href="#">Q70I99</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">201294</a>
<b>Host:</b>	Goat
<b>Immunogen:</b>	Peptide with sequence C-ETQKHKKDLHPLFD, from the internal region of the protein sequence
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Affinity chromatography <b>Buffer System:</b> Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
<b>Applications:</b>	ELISA: 1/128000. Western Blot: 1 - 3 µg/ml. Immunohistochemistry on paraffin sections: 2.5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to Munc13-4 / UNC13D.
<b>Species Reactivity:</b>	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Mouse, Rat, Canine.
<b>Storage:</b>	Store the antibody 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.
<b>General Readings:</b>	1. Zur Stadt U, Beutel K, Kolberg S, Schneppenheim R, Kabisch H, Janka G, et al. Mutation spectrum in children with primary hemophagocytic lymphohistiocytosis: molecular and functional analyses of PRF1, UNC13D, STX11, and RAB27A. Hum Mutat. 2006 Jan;27(1):62-8. PubMed PMID: 16278825.

**Pictures:**

AP16521PU-N (2.5µg/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AP16521PU-N (2µg/ml) staining of Human T-lymphocyte lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

