

For Research Use Only

# CD11c Polyclonal antibody

Catalog Number: 17342-1-AP **66 Publications**



## Basic Information

<b>Catalog Number:</b> 17342-1-AP	<b>GenBank Accession Number:</b> BC038237	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3687	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000140678	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P20702	
<b>Immunogen Catalog Number:</b> AG11380	<b>Full Name:</b> integrin, alpha X (complement component 3 receptor 4 subunit)	
	<b>Calculated MW:</b> 1169 aa, 129 kDa	
	<b>Observed MW:</b> 140-150 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : THP-1 cells, human plasma IHC : human tonsillitis tissue,
<b>Cited Applications:</b> WB, IHC, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, pig	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits. CD11c/Integrin alpha X is a 145-150 kDa type I transmembrane glycoprotein present on a variety of cells, including monocytes/macrophages, granulocytes, NK cells and dendritic cells. Integrin alpha X/beta 2 acts a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hao Zhang	36093059	iScience	IF
Haoran Wang	35087966	Bioact Mater	
Ryutaro Hara	33178566	Asia Pac Allergy	IHC,IF

## Storage

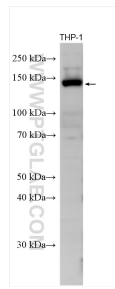
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

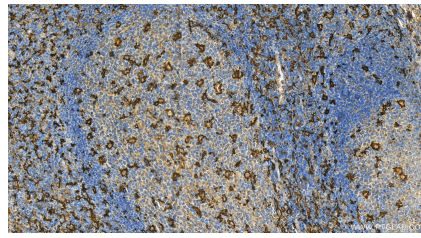
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

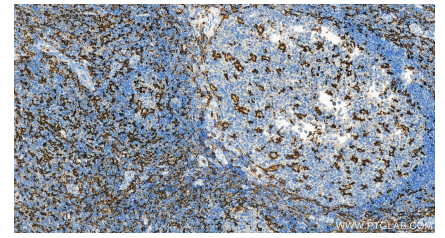
## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 17342-1-AP (CD11c/Integrin Alpha X antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17342-1-AP (CD11c/Integrin Alpha X antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17342-1-AP (CD11c/Integrin Alpha X antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).