

For Research Use Only

# CD177 Polyclonal antibody

Catalog Number: 33733-1-AP



## Basic Information

<b>Catalog Number:</b> 33733-1-AP	<b>GenBank Accession Number:</b> NM_026862.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 68891	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IHC: 1:1000-1:4000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q8R258	
<b>Immunogen Catalog Number:</b> EG2668	<b>Full Name:</b> CD177 antigen	
	<b>Calculated MW:</b> 87 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** rat bone marrow tissue,

**IHC :** mouse lung tissue,

## Background Information

CD177, also known as NB1, HNA-2a or PRV-1, is a glycosylphosphatidylinositol (GPI)-anchored glycoprotein that belongs to the uPAR/CD59/Ly6 snake toxin superfamily (PMID: 17898576). It is expressed exclusively by neutrophils, neutrophilic metamyelocytes, and myelocytes (PMID: 17580308). CD177 interacts with  $\beta$  2 integrin CD11b/CD18 and CD11a/CD18, PECAM-1, and participates in neutrophil activation and transmigration (PMID: 17580308; 21193407). CD177 has been identified as a useful biomarker for myeloproliferative diseases (PMID: 17898576).

## 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

For technical support and original validation data for this product please contact:

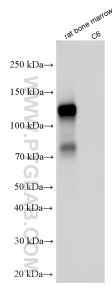
T: 4006900926

E: Proteintech-CN@ptglab.com

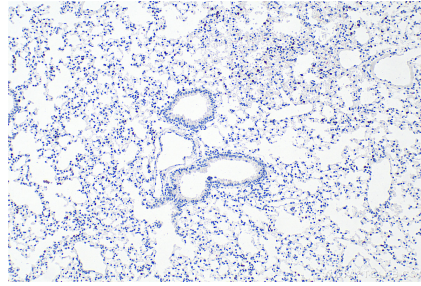
W: ptgcn.com

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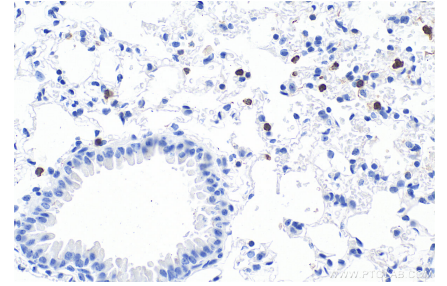
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33733-1-AP (CD177 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 33733-1-AP (CD177 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 33733-1-AP (CD177 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).