

## Summary

<b>Production Name</b>	CD177 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	CD177
<b>Alternative Names</b>	CD177; NB1; PRV1; CD177 antigen; Human neutrophil alloantigen 2a; HNA-2a; NB1 glycoprotein; NB1 GP; Polycythemia rubra vera protein 1; PRV-1; CD177
<b>Gene ID</b>	57126.0
<b>SwissProt ID</b>	Q8N6Q3.The antiserum was produced against synthesized peptide derived from the Internal region of human CD177. AA range:361-410

## Application

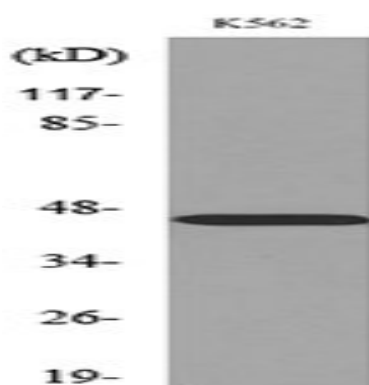
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC-p: 1:100-300 ELISA: 1:20000..
<b>Molecular Weight</b>	46kD

## Background

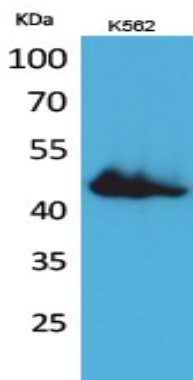
This gene encodes a glycosyl-phosphatidylinositol (GPI)-linked cell surface glycoprotein that plays a role in neutrophil activation. The protein can bind platelet endothelial cell adhesion molecule-1 and function in neutrophil transmigration. Mutations in this gene are associated with myeloproliferative diseases. Over-expression of this gene has been found in patients with polycythemia rubra vera. Autoantibodies against the protein may result in pulmonary transfusion reactions, and it may be involved in Wegener's granulomatosis. A related pseudogene, which is adjacent to this gene on chromosome 19, has been identified. [provided by RefSeq, Apr 2014], induction: By CSF3 in resting granulocytes. Induced in patients with polycythemia vera (PV) and with essential thrombocythemia (ET), mass spectrometry: PubMed:11465086, polymorphism: There is a significant association between the variants Ala-3, Leu-251 and Thr-348 and a low expression of CD177 on neutrophils, PTM: A soluble form may also be produced by proteolytic cleavage at the cell surface (shedding), PTM: N-glycosylated, similarity: Contains 2 UPAR/Ly6 domains, tissue specificity: Highly expressed in normal bone marrow and weakly expressed in fetal liver. Expressed on neutrophils. Expressed in granulocytes of patients with polycythemia vera (PV) and with essential thrombocythemia (ET),

## Research Area

## Image Data



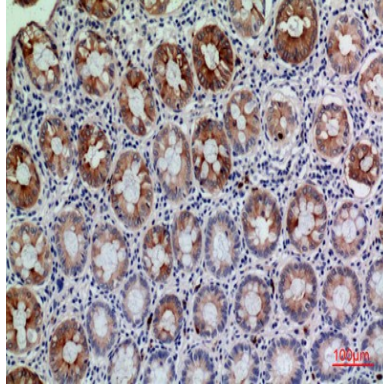
Western blot analysis of lysate from K562 cells, using CD177 Antibody.



**Product Name: CD177 Rabbit Polyclonal Antibody**  
**Catalog #: APRab08251**



Western Blot analysis of K562 cells using CD177 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100

**Note**

For research use only.