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| <b>Product name:</b>     | CD177 Rabbit Polyclonal Antibody   |
| <b>Cat number:</b>       | ABN08251   |
| <b>Conjugate:</b>        | Unconjugated   |
| <b>Size:</b>             | 100µL  |
| <b>Clone:</b>            | Polyclonal   |
| <b>Concentration:</b>    | 1mg/ml   |
| <b>Host:</b>             | Rabbit   |
| <b>Isotype:</b>          | IgG  |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from the Internal region of human CD177. AA range:361-410 |
| <b>Reactivity:</b>       | Human,Rat,Mouse  |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000  |
| <b>Molecular Weight:</b> | 46kDa  |
| <b>Purification:</b>     | Affinity purification  |
| <b>Form:</b>             | Liquid   |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.                                       |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                             |

**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).