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**Product Name: CD64 Rabbit Polyclonal Antibody****Catalog #: APRab08431**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	45kDa

**Antigen Information**

<b>Gene Name</b>	FCGR1A FCG1 FCGR1 IGFR1
<b>Alternative Names</b>	High affinity immunoglobulin gamma Fc receptor I (IgG Fc receptor I;Fc-gamma RI;FcRI;Fc-gamma RIA;FcgammaRIa;CD antigen CD64)
<b>Gene ID</b>	2209.0
<b>SwissProt ID</b>	P12314
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 230-280

**Background**

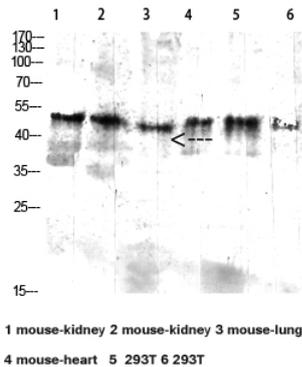
This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma

receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq, Jul 2008],function:High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.,online information:FCGR1A mutation db,PTM:N-glycosylated.,PTM:Phosphorylated on serine residues.,similarity:Belongs to the immunoglobulin superfamily. FCGR1 family.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Stabilized at the cell membrane through interaction with FCER1G.,subunit:Interacts with FCER1G; forms a functional signaling complex. Interacts with FLNA; prevents FCGR1A degradation. Interacts with EPB41L2, LAT and PPL.,tissue specificity:Monocyte/macrophage specific.,

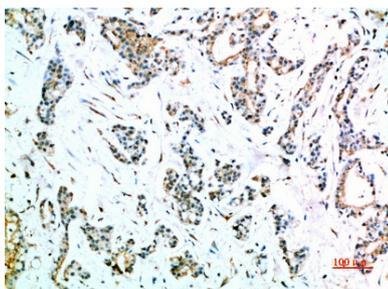
## Research Area

Hematopoietic cell lineage;Fc gamma R-mediated phagocytosis;Systemic lupus erythematosus;

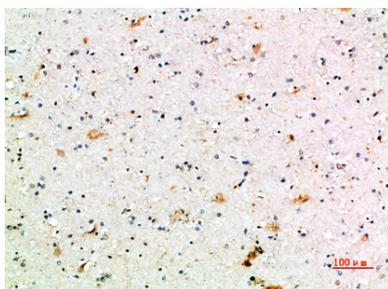
## Image Data



Western blot analysis of mouse-kidney lysate, antibody was diluted at 2000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-stomach-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200