

**CD36 rabbit pAb****Cat#: orb767190 (Manual)**

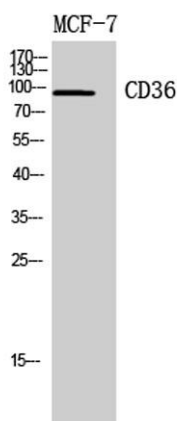
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	CD36 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat;Tilapia
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human CD36. AA range:331-380
<b>Specificity</b>	CD36 Polyclonal Antibody detects endogenous levels of CD36 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Platelet glycoprotein 4
<b>Gene Name</b>	CD36
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein . Membrane raft . Golgi apparatus . Apical cell membrane . Upon ligand-binding, internalized through dynamin-dependent endocytosis. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

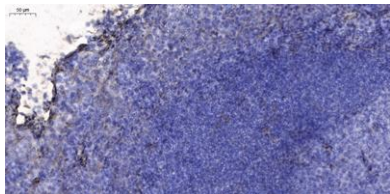
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	90kD
<b>Human Gene ID</b>	948
<b>Human Swiss-Prot Number</b>	P16671
<b>Alternative Names</b>	CD36; GP3B; GP4; Platelet glycoprotein 4; Fatty acid translocase; FAT; Glycoprotein IIIb; GPIIIB; Leukocyte differentiation antigen CD36; PAS IV; PAS-4; Platelet collagen receptor; Platelet glycoprotein IV; GPIV; Thrombospondin receptor; CD36

### Background

The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of *Plasmodium falciparum* parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2014],



**Western Blot analysis of MCF7, 4T1 cells using CD36 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Immunohistochemical analysis of paraffin-embedded human Tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).**