



# CD36 rabbit pAb

Cat No.:ES4315

For research use only

## Overview

<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;

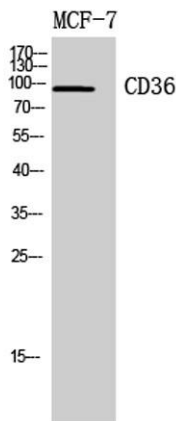




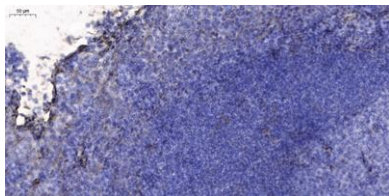
## Background

### Thrombospondin receptor; CD36

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).

