

**Product Name: CD109 Rabbit Polyclonal Antibody**  
**Catalog #: APRab08190**



## Summary

<b>Production Name</b>	CD109 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	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>	CD109 CPAMD7
<b>Alternative Names</b>	CD109 antigen (150 kDa TGF-beta-1-binding protein;C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7;Platelet-specific Gov antigen;p180;r150;CD antigen CD109)
<b>Gene ID</b>	135228.0
<b>SwissProt ID</b>	Q6YHK3.Synthetic peptide from human protein at AA range: 751-800

## Application

<b>Dilution Ratio</b>	IHC 1:50-200 ELISA 1:10000-20000
<b>Molecular Weight</b>	

## Background

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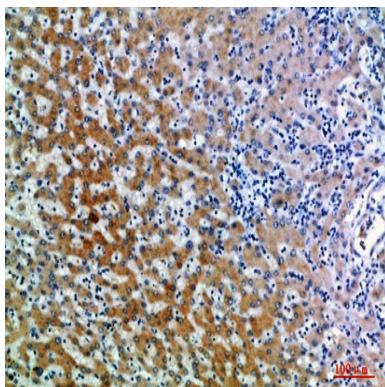
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This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014],function:Modulates negatively TGFB1 signaling in keratinocytes.,polymorphism:The Gov(b) variant in position 703 defines the Gov alloantigenic determinants.,PTM:2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form.,PTM:N-glycosylated.,similarity:Belongs to the protease inhibitor I39 (alpha-2-macroglobulin) family.,subunit:Heterodimer; disulfide-linked. Interacts with TGFB1 and TGFB1. Forms a heteromeric complex with TGFB1, TGFB2 and TGFB3 in a ligand-independent manner.,tissue specificity:Widely expressed with high level in uterus, aorta, heart, lung, trachea, placenta and in fetal heart, kidney, liver, spleen and lung. Expressed by CD34(+) acute myeloid leukemia cell lines, T-cell lines, activated T lymphoblasts, endothelial cells and activated platelets. Isoform 5 is expressed in placenta. Isoform 1 is expressed in keratinocytes and placenta.,

## Research Area

## Image Data



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

## Note

For research use only.