

## Product datasheet

# Anti-CD62P antibody [EPR22850-190] ab255822

Recombinant RabMAb

[5 References](#) [6 Images](#)

### Overview

<b>Product name</b>	Anti-CD62P antibody [EPR22850-190]
<b>Description</b>	Rabbit monoclonal [EPR22850-190] to CD62P
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HUVEC, Human serum, Human plasma, Human lung and Mouse platelet lysates. IHC-P: Human stomach, Human spleen and Mouse spleen tissues.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22850-190

Isotype IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab255822 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

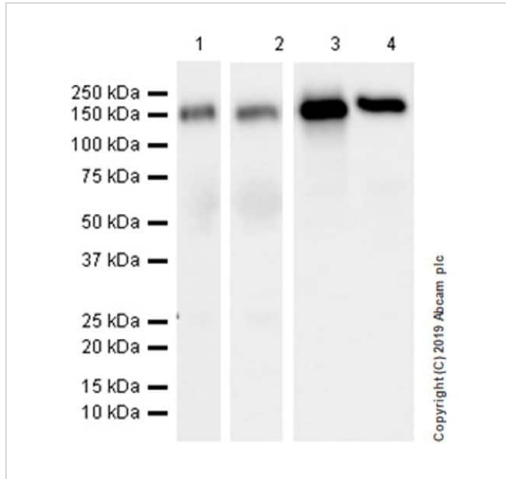
Application	Abreviews	Notes
WB		1/1000.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

## Target

<b>Function</b>	Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1.
<b>Tissue specificity</b>	Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.
<b>Involvement in disease</b>	Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.
<b>Sequence similarities</b>	Belongs to the selectin/LECAM family. Contains 1 C-type lectin domain. Contains 1 EGF-like domain. Contains 9 Sushi (CCP/SCR) domains.
<b>Cellular localization</b>	Membrane.

## Images



Western blot - Anti-CD62P antibody [EPR22850-190] (ab255822)

**All lanes** : Anti-CD62P antibody [EPR22850-190] (ab255822) at 1/1000 dilution

**Lane 1** : Human serum

**Lane 2** : Human plasma

**Lane 3** : Human lung lysate

**Lane 4** : Mouse platelet

Lysates/proteins at 20 µg per lane.

### Secondary

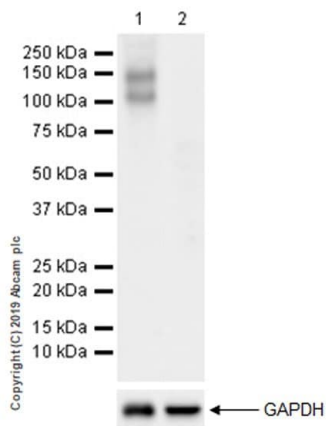
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/2000 dilution (Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG)

**Observed band size:** 140 kDa

Blocking and Dilution Buffer and concentration: 5% NFDM/TBST.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 24945938).

Exposure time: Lane 1:15 seconds; Lanes 2-4:8 seconds.



Western blot - Anti-CD62P antibody [EPR22850-190] (ab255822)

**All lanes** : Anti-CD62P antibody [EPR22850-190] (ab255822) at 1/1000 dilution

**Lane 1** : HUVEC (human umbilical vein endothelial cell) whole cell lysate

**Lane 2** : HEK-293 (human embryonic kidney epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

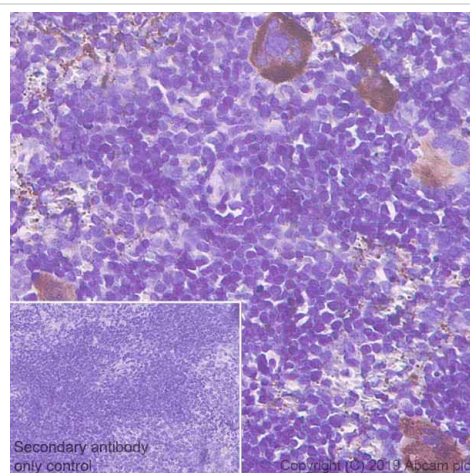
### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/1000 dilution

**Observed band size:** 140,90 kDa

Blocking and Dilution Buffer and concentration: 5% NFDm/TBST. 140KDa and 90KDa respectively represent glycosylated form and non-glycosylated form. The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 24945938). Negative control: HEK-293 (PMID: 7693674).

Exposure time: 26 seconds

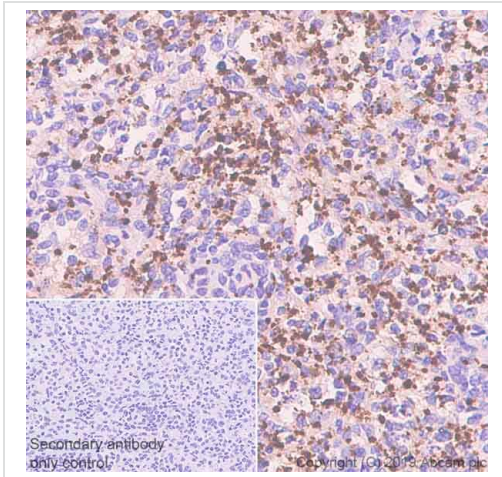


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD62P antibody [EPR22850-190] (ab255822)

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling CD62P with ab255822 at 1/100 dilution (5.89 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in megakaryocytes and platelets of mouse spleen (PMID: 2472431). The section was incubated with ab255822 for 15 mins at RT. The immunostaining was performed on a Leica Biosystems BOND&~153;RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**)

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

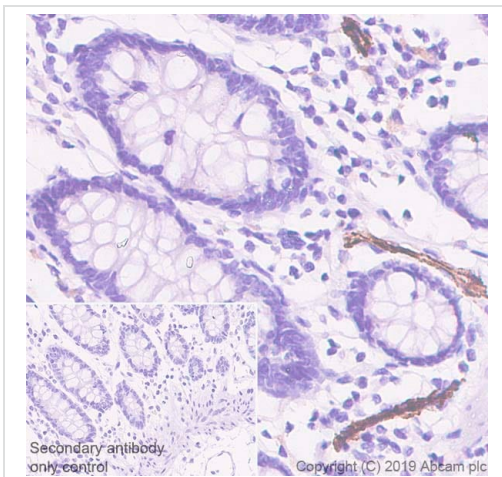


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD62P antibody [EPR22850-190] (ab255822)

Immunohistochemical analysis of paraffin-embedded Human spleen tissue labeling CD62P with ab255822 at 1/500 dilution (1.178 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in platelets of human spleen (PMID: 2472431). The section was incubated with ab255822 for 15 mins at RT. The immunostaining was performed on a Leica Biosystems BOND<sup>®</sup>RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**)

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD62P antibody [EPR22850-190] (ab255822)

Immunohistochemical analysis of paraffin-embedded Human stomach tissue labeling CD62P with ab255822 at 1/500 dilution (1.178 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in blood vessels of human stomach (PMID: 2472431). The section was incubated with ab255822 for 15 mins at RT. The immunostaining was performed on a Leica Biosystems BOND<sup>®</sup>RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-CD62P antibody [EPR22850-190] (ab255822)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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