Product datasheet

Anti-PAI1 antibody ab28207

Overview

Product name Anti-PAI1 antibody
Description Rabbit polyclonal to PAI1
Host species Rabbit
Tested applications Suitable for: IHC-Fr, WB, IHC-P
Species reactivity Reacts with: Mouse
Immunogen Recombinant full length PAI1 protein (Mouse).
Positive control Paraffin sections of lung and carotid.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer pH: 6.60
Constituents: 0.82% Sodium phosphate, 0.0292% EDTA, 0.58% Sodium chloride
Purity Protein A purified
Purification notes This is an IgG purified fraction (purified by Protein A Sepharose).
Clonality Polyclonal
Isotype IgG

Applications

Our Abpromise guarantee covers the use of ab28207 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<td>IHC-Fr</td>
<td>Use at an assay dependent concentration. PubMed: 18276785</td>
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<tr>
<td>WB</td>
<td>Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 45 kDa.</td>
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This inhibitor acts as ‘bait’ for tissue plasminogen activator, urokinase, and protein C. Its rapid interaction with TPA may function as a major control point in the regulation of fibrinolysis.

Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.

Defects in SERPINE1 are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1D) [MIM:613329]. It is a hematologic disorder characterized by increased bleeding after trauma, injury, or surgery. Affected females have menorrhagia. The bleeding defect is due to increased fibrinolysis of fibrin blood clots due to deficiency of plasminogen activator inhibitor-1, which inhibits tissue and urinary activators of plasminogen.

High concentrations of SERPINE1 seem to contribute to the development of venous but not arterial occlusions.

Belongs to the serpin family.

Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-Met-370 bond.

Secreted.

ab28207 staining PAI1 in E18.5 mouse tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded tissue sections). Subsequent to deparaffinization, the sections were hydrated, heated in 10mM citrate buffer (pH 6.0) and treated with 1% H2O2 in methanol for 10 min and blocked with 10% of normal serum. The primary antibody was incubated with sample at 4°C overnight.

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