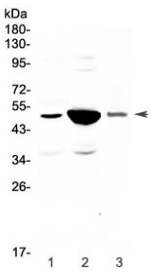
Pai-1 Antibody (RQ4041)

Catalog No.	Formulation	Size
RQ4041	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P20961
Applications	Western Blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Pai-1 antibody is available for research use only.



Western blot testing of 1) rat small intestine, 2) rat kidney and 3) mouse kidney lysate with Pai-1 antibody at 0.5ug/ml. Predicted molecular weight ~45 kDa.

Description

Plasminogen activator inhibitor-1 (PAI-1) also known as endothelial plasminogen activator inhibitoror serpin E1 is a protein that in humans is encoded by the SERPINE1 gene. This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Pai-1 antibody should be determined by the researcher.

Immunogen

A recombinant rat partial protein corresponding to amino acids S24-D240 was used as the immunogen for the Pai-1 antibody.

Storage

After reconstitution, the Pai-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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