

Product datasheet for **AP33050SU-N**

Plasma Kallikrein 1B (KLKB1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used as precipitating antiserum in Electroimmunodiffusion, Immunelectrophoresis and Radial Immunodiffusion. This does not exclude the use of the antiserum in more sensitive techniques if proper controls are included. In electroimmunodiffusion (Laurell) the amount of antiserum required in the agarose gel is usually between 1 and 2%, depending on the test arrangement. <i>Precipitin titre:</i> not less than 1/32 when tested against normal Human plasma in agarblock immunodiffusion titration.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly purified molecular weight kininogen isolated from pooled plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	The defined antibody specificity is to Prekallikrein. Plasma kallikrein is present in two slightly different forms. This corresponds with two different forms of kallikrein after prekallikrein has been activated by Factor XIIa. Inactive plasma Prekallikrein and active kallikrein may react with the antiserum. Although Prekallikrein exhibits structural homology to Factor XI, the antiserum does not react with Factor XI. Cross-reactivity: The antiserum does not cross-react with any other human plasma proteins as tested in geldiffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail, however in double radial immunodiffusion a reaction with monkey has been observed.
Formulation:	State: Serum State: Lyophilized, Delipidated, Heat inactivated, Stable Whole Serum without preservatives
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water.
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	kallikrein B1
Database Link:	Entrez Gene 3818 Human P03952
Background:	Prekallikrein is a single-chain. Glycoprotein (MW 88,000) present in inactive form in plasma, pancreas and intestine. Prekallikrein is activated to kallikrein by Factor XIIa which in turn results from activation of Factor XII by prekallikrein combined with Factor XII and highmolecular- weight kininogen (HMWK). It releases kinins from the low-molecular-weight and the high-molecular-weight kininogen.
Synonyms:	Plasma kallikrein, Fletcher factor
Note:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other human serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.