



Rabbit anti-human kallikrein-related peptidase 3 polyclonal Antibody

Catalog Number: CSB-PA012454GA01HU

Synonym Names	Prostate-specific antigen,PSA,Gamma-seminoprotein,Seminin,Kallikrein-3,P-30 antigen,Semenogelase,KLK3,APS
Product type	Primary antibodies
Description	Rabbit polyclonal to KLK3
Clonality	Polyclonal
Isotype	IgG
Reacts with	Human; Other species are not tested. Please decide the specificity by homology.
Conjugate	Non-conjugated
Purity	Antigen Affinity Purified
Storage buffer	PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Storage	Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze.
Form	Liquid
Raised in	Rabbit
Tested applications	ELISA: Use at an assay dependent dilution. WB: 1:500-1:5000 IHC: 1:20-1:200 (Recommender dilutions)
Positive WB detected in	Transfected HEK-293 cells
Positive IHC detected in	Human prostate cancer tissue
Function	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.
References	[1]"Crystal structure of a ternary complex between human prostate-specific antigen, its substrate acyl intermediate and an activating antibody."Menez R., Michel S., Muller B.H., Bossus M., Ducancel F., Jolivet-Reynaud C., Stura E.A.J. Mol. Biol. 376:1021-1033(2008). [2]"Substrate specificity of prostate-specific antigen (PSA)."Coombs G.S., Bergstrom R.C., Pellequer J.L., Baker S.I., Navre M., Smith M.M., Tainer J.A., Madison E.L., Corey D.R.Chem. Biol. 5:475-488(1998). [3]"A structural model for the prostate disease marker, human prostate-specific antigen."Villoutreix B.O., Getzoff E.D., Griffin J.H.Protein Sci. 3:2033-2044(1994) .