

Rat β TG/PBP/CXCL7/NAP2 Antibody Pair Set

Catalog No.	E-KAB-0385	Applications	ELISA
Synonyms	PPBP, B-TG1, Beta-TG, CTAP-III, CTAP3, CTAPIII, CXCL7, LA-PF4, LDGF, MDGF, NAP-2, PBP, SCYB7, TC1, TC2, TGB, TGB1, THBGB, THBGB1, pro-platelet basic protein		

Kit components & Storage

Title	Specifications	Storage
Rat β TG/PBP/CXCL7/NAP2 Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year. Avoid freeze / thaw cycles.
Rat β TG/PBP/CXCL7/NAP2 Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20°C for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

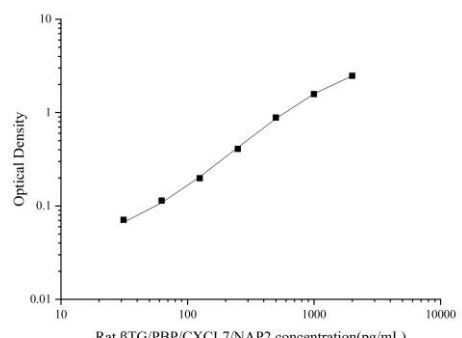
Product Information

Items		Characteristic (E-KAB-0385)	
		Rat β TG/PBP/CXCL7/NAP2 Capture Antibody	Rat β TG/PBP/CXCL7/NAP2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat β TG/PBP/CXCL7/NAP2 protein	Recombinant Rat β TG/PBP/CXCL7/NAP2 protein
	Swissprot	Q99ME0蛋白unreviewed	
Product details	Reactivity	Rat	Rat
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Rat β TG/PBP/CXCL7/NAP2 in ELISAs.	

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Applications

Rat β TG/PBP/CXCL7/NAP2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4μg/mL	Rat βTG/PBP/CXCL7/NAP2 Capture Antibody	 The graph shows a standard curve for the ELISA assay. The x-axis represents the concentration of Rat βTG/PBP/CXCL7/NAP2 in pg/mL on a logarithmic scale from 10 to 10,000. The y-axis represents the Optical Density on a logarithmic scale from 0.01 to 10. The data points form a straight line, indicating a linear relationship between the concentration and the optical density. <table><caption>Approximate data points from the standard curve</caption><tr><th>Rat βTG/PBP/CXCL7/NAP2 concentration (pg/mL)</th><th>Optical Density</th></tr><tr><td>10</td><td>0.05</td></tr><tr><td>100</td><td>0.2</td></tr><tr><td>1000</td><td>1.0</td></tr><tr><td>10000</td><td>5.0</td></tr></table>	Rat βTG/PBP/CXCL7/NAP2 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
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10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Rat βTG/PBP/CXCL7/NAP2 Detection Antibody (Biotin)											

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

PPBP, also named as NAP2, or β -Thromboglobulin, is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells.

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