

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.

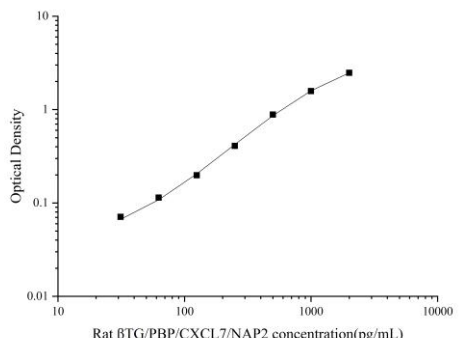
Product Information

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.	

For Research Use Only

Applications

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

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 μ g/mL	Rat β TG/PBP/CXCL7/NAP2 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus concentration. The x-axis represents 'Rat βTG/PBP/CXCL7/NAP2 concentration (pg/mL)' with major ticks at 10, 100, 1000, and 10000. The y-axis represents 'Optical Density' with major ticks at 0.01, 0.1, 1, and 10. The data points form a straight line with a positive slope, indicating a power-law relationship between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Rat βTG/PBP/CXCL7/NAP2 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Rat β TG/PBP/CXCL7/NAP2 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.0
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10000	3.0												
ELISA Detection	1:1000-1:10000	Rat β TG/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.