



Anti-PPBP polyclonal antibody [Biotin] (DPABY-514)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Neutrophil activating peptide 2 (NAP-2), connective tissue activating protein III (CTAP-III) and beta-thromboglobulin (beta-TG), are proteolytically processed carboxy-terminal fragments of platelet basic protein (PBP), which is found in the alpha-granules of human platelets. NAP-2 is a member of the CXC chemokines and is named CXCL7. Similar to other ELR domain containing CXC chemokines, such as IL-8 and the GRO proteins, NAP-2 binds CXCR2 and chemoattracts and activates neutrophils.
Specificity	Detects human CXCL7/NAP-2 in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant human (rh) ENA-70, rhENA-74, rhENA-78, rhGCP-2, rhGRO alpha, rhGRO beta, rhGRO gamma, rhIL-8, rhIP-10, rhMIG, rhSDF-1 alpha, and rhSDF-1 beta is observed.
Immunogen	E. coli-derived recombinant human CXCL7/NAP-2 . Ala59-Asp128 Accession Number P02775
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	PPBP pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) [Homo sapiens (human)]
Official Symbol	PPBP
Synonyms	PPBP; pro-platelet basic protein (chemokine (C-X-C motif) ligand 7); PBP; TC1; TC2; TGB; LDGF; MDGF; TGB1; B-TG1; CTAP3; CXCL7; NAP-2; SCYB7; THBGB; LA-PF4; THBGB1; Beta-TG; CTAPIII; CTAP-III; platelet basic protein; thrombocidin 1; thrombocidin 2; beta-t
Entrez Gene ID	5473
Protein Refseq	NP_002695
UniProt ID	P02775
Chromosome Location	4q12-q13
Pathway	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding; Hemostasis;
Function	chemokine activity; glucose transmembrane transporter activity; growth factor activity;