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PGPEP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11685a

Product Information

Application	WB, E
Primary Accession	Q9NXJ5
Other Accession	Q76IC5, Q9ESW8, NP_060182.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18549
Calculated MW	23138
Antigen Region	22-51

Additional Information

Gene ID	54858
Other Names	Pyroglutamyl-peptidase 1, 5-oxoprolyl-peptidase, Pyroglutamyl aminopeptidase I, PAP-I, Pyroglutamyl-peptidase I, PGP-I, Pyrrolidone-carboxylate peptidase, PGPEP1, PGPI
Target/Specificity	This PGPEP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-51 amino acids from the N-terminal region of human PGPEP1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PGPEP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PGPEP1
Synonyms	PGPI

Function	Removes 5-oxoproline from various penultimate amino acid residues except L-proline.
Cellular Location	Cytoplasm.

Background

Pyroglutamyl peptidase I (EC 3.4.19.3) catalyzes the hydrolysis of N-terminal pyroglutamyl residues from oligopeptides and proteins.

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Valdivia, A., et al. Regul. Pept. 122(2):79-84(2004)
Minderman, H., et al. Clin. Cancer Res. 10(5):1826-1834(2004)
Dando, P.M., et al. Protein Expr. Purif. 28(1):111-119(2003)
Gil, J., et al. Neuropeptides 35 (5-6), 276-284 (2001) :

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.