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Datasheet

ANPEP MaxPab rabbit polyclonal antibody (D01)

Catalog Number: H00000290-D01

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human ANPEP protein.

Immunogen: ANPEP (NP_001141.1, 1 a.a. ~ 967 a.a) full-length human protein.

Sequence:
MAKGFYISKSLGILGILLGVAAVCTIIALSVVYSQEKNKN
ANSSPVASTTPSASATTNPASATTLDQSKAWNRYRLP
NTLKPDSYQVTLRPYLTPNDRGLYVFKGSSTVRFTCK
EATDVIIIHSKKLNYTLSQGHRVVLRGVGGSQPPDIDKT
ELVEPTEYLVVHLKGSLVKDSQYEMDSEFEGELADDL
AGFYRSEYMEGNVRKVVATTQMQAADARKSFPCFDE
PAMKAEFNITLIHPKDLTALSNMLPKGPSTPLPEDPNW
NVTEFHTTPKMSTYLLAFIVSEFDYVEKQASNGVLIRIW
ARPSAIAAGHGDYALNVTGPILNFFAGHYDTPYPLPKS
DQIGLPDFNAGAMENWGLVTYRENSLLFDPLSSSSSN
KERVVTVIAHELAHQWFGNLVTIEWWNDLWLNEGFAS
YVEYLGADYAEPTWNLKDLMVLNDVYRVMAVDALASS
HPLSTPASEINTPAQISELFDAISYSKGASVLRMLSSFL
SEDVFKQGLASYLHTFAYQNTIYLNLWDHLQEAVNNR
SIQLPTTVRDIMNRWTLQMGFPVITVDTSTGTLSQEHF
LLDPDSNVTRPSEFNYVWIVPITSIRDGRQQQDYWLID
VRAQNDLFSTSGNEWVLLNLNVTGYYRVNYDEENWR
KIQTQLQRDHSAIPVINRAQIINDAFNLASAHKVPVTLAL
NNTLFLIEERQYMPWEAALSSLSYFKLMFDRSEVYGP
MKNYLKKQVTPLFIHFRNNTNNWREIPENLMDQYSEV
NAISTACSNGVPECEEMVSGLFKQWMENPNNNPIHPN
LRSTVYCNAIAQGGEEEWDFAWEQFRNATLVNEADKL
RAALACSKELWILNRYLSYTLNPDLIRKQDATSTIISITN
NVIGQGLVWDFVQSNWKKLFNDYGGGSFSFSNLIQAV
TRRFSTEYELQQLEQFKKDNEETGFGSGTRALEQALE
KTKANIKWVKENKEVVLQWFTENSK

Host: Rabbit

Reactivity: Human

Applications: IP, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 290

Gene Symbol: ANPEP

Gene Alias: APN, CD13, LAP1, PEPN, gp150, p150

Gene Summary: Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Its function in proximal tubular epithelial cells and other cell types is less clear. The large extracellular carboxyterminal domain contains a pentapeptide consensus sequence characteristic of members of the zinc-binding metalloproteinase superfamily. Sequence comparisons with known enzymes of this class showed that CD13 and aminopeptidase N are identical. The latter enzyme was thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. Human aminopeptidase N is a receptor for one strain of human coronavirus that is an important cause of upper respiratory tract infections. Defects in this gene appear to be a cause of various types of leukemia or lymphoma. [provided by RefSeq]