

Datasheet for ABIN6989600 **anti-ENPEP antibody**



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Overview

Quantity:	100 µL
Target:	ENPEP
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ENPEP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic Peptide within Human AP-A.
Clone:	11B3
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	ENPEP
Alternative Name:	AP-A (ENPEP Products)
Background:	Synonyms: Aminopeptidase A antibody, AMPE_HUMAN antibody, AP-A antibody, APA antibody,

Target Details

bp-1 antibody, bp1 antibody, CD249 antibody, Differentiation antigen gp160 antibody, EAP antibody, Enpep antibody, Glutamyl aminopeptidase (aminopeptidase A) antibody, Glutamyl aminopeptidase antibody, Gp160 antibody, Ly51 antibody

Background: Aminopeptidase A, also designated APA, gp160 human kidney differentiation antigen, glutamyl aminopeptidase, or enpep, is a differentiation-related kidney glycoprotein. As a cell surface, zinc-dependent metalloprotease, Aminopeptidase A specifically cleaves amino-terminal acidic residues from peptide substrates such as Angiotensin II. APA is expressed on the surface of epithelial cells of the glomerulus and proximal tubule cells of the human nephron, where it may mediate the constitutive trafficking of Glut4-containing vesicles. These Glut4-containing vesicles are tissue-specific secretory-like microsomal structures that mediate insulin-dependent translocation of GLUT4 to the cell surface in fat and muscle cells. Mutations in the gp160/APA gene, including loss of protein expression or enzymatic activity, occur in 20 % of primary clear cell renal carcinomas.

Gene ID: 2028

UniProt: [Q07075](#)

Pathways: [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC()

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 % Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months