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Product Information

MemDX™ Antibody Discovery - Human APCS / SAP / PTX2 (20-223) Membrane Protein, Partial, -His tag

Cat. No.: **MP0928F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human APCS / SAP / PTX2 (166-406). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
APCS / SAP / PTX2

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 24.1 kDa. The protein migrates as 26 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA His 20 - Val 223 (Accession # P02743-1).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH 7.5. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

APCS / SAP / PTX2

Full Name

amyloid P component, serum

Introduction

The protein encoded by this gene is a glycoprotein, belonging to the pentraxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo.

Alternative Names

SAP; PTX2; HEL-S-92n; serum amyloid P-component; 9.5S alpha-1-glycoprotein; epididymis secretory sperm binding protein Li 92n; pentaxin-related; pentraxin-2; pentraxin-related

Gene ID

325

UniProt ID

P02743