

## Anti-XPNPEP1 Antibody (4S923)

## Product Details

|               |                         |
|---------------|-------------------------|
| Ig Type:      | Mouse IgG2a             |
| Reactivity:   | Human                   |
| Conjugation:  | Unconjugated            |
| Clone:        | 4S923                   |
| Purification: | Affinity-chromatography |

## Applications

1. IHC image of TMAH-01255 diluted at 1:200 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.

Verified Activity: 2. Overlay Peak curve showing JK cells stained with TMAH-01255 (red line) at 1:300. The cells were fixed in 4% formaldehyde (15min) and permeated by 0.2% TritonX-100 for 10min. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1 $\mu$ g/1\*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1 $\mu$ g/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,005 events was performed.

Application: ELISA, IHC, FCM

Recommended IHC:1:20-1:200; FCM:1:20-1:200.

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

|                  |                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:       | Recombinant Protein: Human XPNPEP1 Protein                                                                                                                                                          |
| Antigen Species: | Human                                                                                                                                                                                               |
| Gene ID:         | 7511                                                                                                                                                                                                |
| Uniprot ID:      | Q9NQW7                                                                                                                                                                                              |
| Synonyms:        | XPNPEPL1;Xaa-Pro Aminopeptidase 1;XPNPEP1;sAmp;X-Prolyl Aminopeptidase 1 Soluble;X-Pro Aminopeptidase 1;XPNPEPL;Soluble Aminopeptidase P;Aminoacylproline Aminopeptidase;Cytosolic Aminopeptidase P |
| Biology Area:    | Cancer, Metabolism, Signal transduction                                                                                                                                                             |

## Research Background

Contributes to the degradation of bradykinin. Catalyzes the removal of a penultimate prolyl residue from the N-

termini of peptides, such as Arg-Pro-Pro.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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