KREMEN1 Antibody
Cat. No.: 7261

Immunohistochemistry of KREMEN1 in human small intestine tissue with KREMEN1 antibody at 5 μg/ml.

Immunofluorescence of KREMEN1 in human small intestine tissue with KREMEN1 antibody at 20 μg/ml.

Specifications

<table>
<thead>
<tr>
<th>HOST SPECIES:</th>
<th>Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIES REACTIVITY:</td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td>IMMUNOGEN:</td>
<td>Rabbit polyclonal KREMEN1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human KREMEN1. The immunogen is located within the last 50 amino acids of KREMEN1.</td>
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<tr>
<td>TESTED APPLICATIONS:</td>
<td>ELISA, IF, IHC-P, WB</td>
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</table>
APPLICATIONS:
KREMEN1 antibody can be used for detection of KREMEN1 by Western blot at 0.125 - 0.25 μg/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

SPECIFICITY:
Three isoforms of KREMEN1 exists as a result of alternative splicing event.

POSITIVE CONTROL:
1) Cat. No. 1468 - Rat Small Intestine Tissue Lysate
2) Cat. No. 11-801 - Human Small Intestine Tissue Slide

PREDICTED MOLECULAR WEIGHT:
54 kDa

Properties

PURIFICATION:
KREMEN1 Antibody is affinity chromatography purified via peptide column.

CLONALITY:
Polyclonal

ISOTYPE:
IgG

CONJUGATE:
Unconjugated

PHYSICAL STATE:
Liquid

BUFFER:
KREMEN1 Antibody is supplied in PBS containing 0.02% sodium azide.

CONCENTRATION:
1 mg/mL

STORAGE CONDITIONS:
KREMEN1 antibody can be stored at 4˚C for three months and -20˚C, stable for up to one year.

Additional Info

OFFICIAL SYMBOL:
KREMEN1

ALTERNATE NAMES:
KREMEN1 Antibody: KRM1, KREMEN, KRM1, Kremen protein 1, Dickkopf receptor

ACCESSION NO.:
NP_114434

PROTEIN GI NO.:
24041012

GENE ID:
83999

USER NOTE:
Optimal dilutions for each application to be determined by the researcher.

Background and References
**BACKGROUND:**

KREMEN1 Antibody: Kremen (Kringle containing protein marking the eye and the nose) proteins are type I transmembrane proteins that contain extracellular kringle, WSC and CUB domains and an intracellular region without any conserved motifs. Kremens bind a subset of the secreted Dickkopf proteins (Dkk 1, 2, and 4) with high affinity to modulate the canonical Wnt signaling pathway that is transduced by the ternary receptor complex composed of Wnt, Frizzled, and the LDL receptor related protein 5/6 (LRP5/6) coreceptor. KREMEN1 is a receptor for the Dickkopf protein which blocks Wnt/beta catenin signaling. It is necessary to ensure normal spatial and temporal patterns of Wnt activity during developmental processes.

**REFERENCES:**


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