Product datasheet

Antigremlin 1 antibody ab22138

Overview

Product name: Anti-Gremlin 1 antibody
Description: Rabbit polyclonal to Gremlin 1
Host species: Rabbit
Tested applications: Suitable for: IHC-P
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide: QPGSRNRGRQGRGTA, corresponding to amino acids 52-67 of Human DRM.

Positive control: Human colon cancer tissue.

Properties

Form: Liquid
Storage buffer: Preservative: 0.05% Sodium azide
Constituents: PBS, 0.05% BSA
Purity: Protein G purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab22138 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<td><strong>Target</strong></td>
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<td><strong>Function</strong></td>
<td>Cytokine that may play an important role during carcinogenesis and metanephric kidney organogenesis, as a BMP antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop. Down-regulates the BMP4 signaling in a dose-dependent manner. Acts as inhibitor of monocyte chemotaxis.</td>
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<td><strong>Tissue specificity</strong></td>
<td>Highly expressed in small intestine, fetal brain and colon. Expression is restricted to intestinal subepithelial myofibroblasts (ISEMFs) at the crypt base. In subjects with HMPS1, by contrast, GREM1 is expressed, not only in basal ISEMFs, but also at very high levels in epithelial cells (predominantly colonocytes), with expression extending most of the way up the sides of the crypt. Weakly expressed in brain, ovary, prostate, pancreas and skeletal muscle. In brain found in the region localized around the internal capsule in the large subcortical nuclei, including caudate, putamen, substantia nigra, thalamus and subthalamus. Predominantly expressed in normal cells including neurons, astrocytes and fibroblasts.</td>
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<td><strong>Involvement in disease</strong></td>
<td>Polypsis syndrome, mixed hereditary 1</td>
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<td><strong>Sequence similarities</strong></td>
<td>Belongs to the DAN family.</td>
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<td></td>
<td>Contains 1 CTCK (C-terminal cystine knot-like) domain.</td>
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<td><strong>Cellular localization</strong></td>
<td>Secreted.</td>
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</table>

**Images**

Detection of CKTSF1B1 in human colon cancer tissue using Ab22138.

*Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Gremlin 1 antibody (ab22138)*

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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