Rabbit Anti-LEF1/TCF1 Alpha [EP310]: RM0381

Intended Use: For Research Use Only

Description: LEF1 or TCF1 alpha participates in the Wnt signaling pathway, activates transcription of target genes in the presence of CTNNB1 and EP300. It may play a role in hair cell differentiation and follicle morphogenesis. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1. It regulates T-cell receptor alpha enhancer function. PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1. Isoform 3 lacks the CTNNB1 interaction domain and may be an antagonist for Wnt signaling. Isoform 5 transcriptionally activates the fibronectin promoter, binds to and represses transcription from the E-cadherin promoter in a CTNNB1-independent manner, and is involved in reducing cellular aggregation and increasing cell migration of pancreatic cancer cells. Isoform 1 transcriptionally activates MYC and CCND1 expression and enhances proliferation of pancreatic tumor cells. Detected in thymus but not detected in normal colon, but highly expressed in colon cancer biopsies and colon cancer cell lines. Expressed in several pancreatic tumors and weakly expressed in normal pancreatic tissue. Isoforms 1 and 5 are detected in several pancreatic cell lines.

Specifications
Clone: EP310
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus
Formulation: Antibody in PBS pH7.5, containing 0.2% BSA and <0.1% sodium azide (NaN3)
Storage: Store at 2°-8°C
Applications: IHC

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<th>Description</th>
<th>Catalog No.</th>
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<tr>
<td>LEF1/TCF1 Alpha Concentrated</td>
<td>RM0381</td>
<td>1 ml</td>
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IHC Procedure
Positive Control: Tonsil, colon carcinoma
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°.99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.

References: