



LEF-1 (phospho Ser42) rabbit pAb

Cat No.:ES6501

For research use only

Overview

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| Product Name | LEF-1 (phospho Ser42) rabbit pAb |
| Host species | Rabbit |
| Applications | WB;IHC |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | WB 1:500-2000;IHC-p 1:50-300 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human LEF-1 around the phosphorylation site of Ser42. AA range:8-57 |
| Specificity | Phospho-LEF-1 (S42) Polyclonal Antibody detects endogenous levels of LEF-1 protein only when phosphorylated at S42. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Lymphoid enhancer-binding factor 1 |
| Gene Name | LEF1 |
| Cellular localization | Nucleus . Found in nuclear bodies upon PIASG binding. . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 55kD |
| Human Gene ID | 51176 |
| Human Swiss-Prot Number | Q9UJU2 |
| Alternative Names | LEF1; Lymphoid enhancer-binding factor 1; LEF-1; T cell-specific transcription factor 1-alpha; TCF1-alpha |
| Background | This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby |



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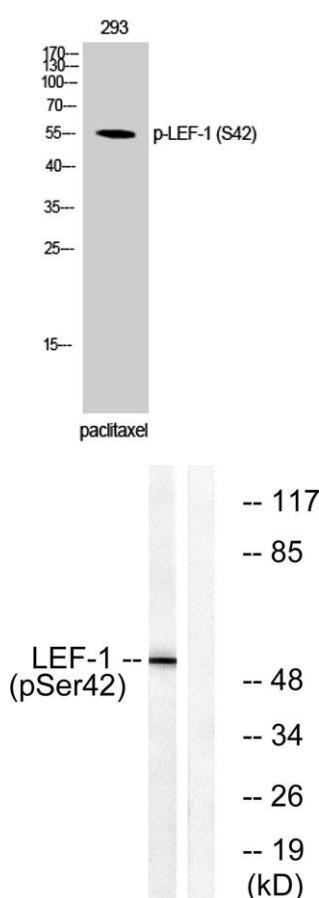
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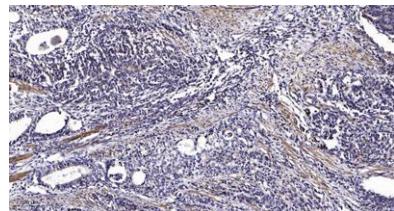


conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009],



Western blot analysis of lysates from 293 cells treated with paclitaxel 1uM 24h, using LEF-1 (Phospho-Ser42) Antibody. The lane on the right is blocked with the phospho peptide.





Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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