Recombinant LEF1 / TCF1 alpha (Transcription Factor) Antibody

Rabbit Monoclonal Antibody [Clone LEF1/13789R]

Catalog No	Format	Size
51176-RBM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
51176-RBM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
51176-RBM11-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	LEF1/13789R
Immunogen	Recombinant fragment (around aa 10-37) of human LEF1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	44.2kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Detected in thymus

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant LEF1 / TCF1 alpha (Transcription Factor) Antibody

Specificity & Comments

Transcription factor that binds DNA in a sequence-specific manner (PubMed:2010090). Participates in the Wnt signaling pathway (By similarity). Activates transcription of target genes in the presence of CTNNB1 and EP300 (By similarity). PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1 (By similarity). TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1 (PubMed:11266540). Regulates T-cell receptor alpha enhancer function (PubMed:19653274). Required for IL17A expressing gamma-delta T-cell maturation and development, via binding to regulator loci of BLK to modulate expression (By similarity). Acts as a positive regulator of odontoblast differentiation during mesenchymal tooth germ formation, expression is repressed during the bell stage by MSX1-mediated inhibition of CTNNB1 signaling (By similarity). May play a role in hair cell differentiation and follicle morphogenesis (By similarity)., Transcriptionally activates MYC and CCND1 expression and enhances proliferation of pancreatic tumor cells., Lacks the CTNNB1 interaction domain and may therefore be an antagonist for Wnt signaling., 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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.