TFE3(PT2169)Mouse Monoclonal Antibody

产品详情

产品货号	产品名称	储存条件	保质期
IM65363	TFE3(PT2169)Mouse Monoclonal Antibody	-15℃to -25℃	1 年

产品详情：

货号	IM65363
产品名称	TFE3(PT2169)Mouse Monoclonal Antibody
类别	抗体产品
基因名称	TFE3 BHLHE33
蛋白名称	Transcription factor E3(Class E basic helix-loop-helix protein 33)(bHLHe33)
推荐应用	WB,IP,IHC-P,ELISA
反应种属	Human(predicted:Mouse,Bovin)
浓度	1mg/ml
制备方法	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
存储缓冲液	Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% New type preservative N.
Human Gene ID	7030
Human Swissprot No	P19532
Mouse Gene ID	209446

Mouse Swissprot No	Q64092
特异性	This antibody detects endogenous levels of TFE3 at Human, Predict react with Mouse;Rat
稀释度	WB 1:500-2000,IP 1:50-100,IHC-P 1:200-400
参考分子量	62kDa
运输及保存条件	-15℃to -25℃/1year(Do not lower than -25℃)
组织表达	Ubiquitous in fetal and adult tissues
细胞定位	Cytoplasm,cytosol.Nucleus.When nutrients are present, phosphorylation by MTOR prevents nuclear translocation and activity(PubMed:22692423, PubMed:30733432).Conversely,inhibition of mTORC1,starvation and lysosomal disruption,promotes dephosphorylationand translocation to the nucleus(PubMed:22692423,PubMed:30733432).
功能	Transcription factor that acts as a master regulator of lysosomal biogenesis and immune response.Specifically recognizes and binds E-box sequences(5'-CANNTG-3');efficient DNA-binding requires dimerization with itself or with another MiT/TFE family member such as TFEB or MITF (By similarity).Involved in the cellular response to amino acid availability by acting downstream of MTOR: in the presence of nutrients,TFE3 phosphorylation by MTOR promotes its cytosolic retention and subsequent inactivation.Upon starvation or lysosomal stress, inhibition of MTOR induces TFE3 dephosphorylation,resulting in nuclear localization and transcription factor activity.In association with TFEB, activates the expression of CD40L in T-cells,thereby playing a role in T cell-dependent antibody responses in activated CD4(+)T-cells and thymus-depen

功能	dent humoral immunity (By similarity).Specifically recognizes the MUE3 box,a subset of E-boxes,present in the immunoglobulin enhancer.It also binds very well to a USF/MLTF site.May regulate lysosomal positioning in response to nutrient deprivation by promoting the expression of PIP4P1.Acts as a positive regulator of browning of adipose tissue by promoting expression of target genes;mTOR dependent phosphorylation promotes cytoplasmic retention of TFE3 and inhibits browning of adipose tissue(By similarity).Maintains the pluripotent state of embryonic stem cells by promoting the expression of genes such as ESRRB; mTOR-dependent nuclear exclusion promotes exit from pluripotency(By similarity).Required to maintain the naive pluripotent state of hematopoietic stem cell;mTOR-dependent cytoplasmic retention of TFE3 promotes the exit of hematopoietic stem cell from pluripotency
Clonaliy	Monoclonal

注意事项：

1.本产品仅供科研使用。请勿用于医药、临床诊断或治疗，食品及化妆品等用途。请勿存放于普通住宅区。
2.为了您的安全和健康，请穿好实验服并佩戴一次性手套和口罩操作。
3.实验结果可由多种因素影响，相关处理只限于产品本身，不涉及其他赔偿。

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