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Phospho-TFEB (Ser142) pAb

货号: ABY1249

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC ICC/IF
推荐浓度	**WB:** 1:500-1:2000 **IF:** 1：50-1：300 **IHC 1:50-1:200:**
理论分子量	53kDa
实测分子量	55~70kDa(Observed)
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.5.
偶联物	Unconjugated
阳性对照	Raji,Mouse spleen,Mouse heart,Rat thymus
细胞定位	Nucleus
纯化	亲和纯化

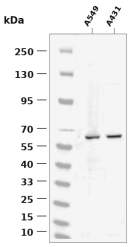
抗原信息

抗原信息	

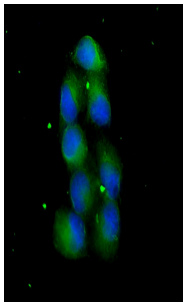
靶点信息

研究背景	Transcription factor that acts as a master regulator of lysosomal biogenesis, autophagy, lysosomal exocytosis, lipid catabolism, energy metabolism 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 TFE3 or MITF. Involved in the cellular response to amino acid availability by acting downstream of MTOR: in the presence of nutrients, TFEB phosphorylation by MTOR promotes its cytosolic retention and subsequent inactivation. Upon starvation or lysosomal stress, inhibition of MTOR induces TFEB dephosphorylation, resulting in nuclear localization and transcription factor activity.
基因ID	7942
基因名	TFEB
Swiss	P19484 (https://www.uniprot.org/uniprotkb/P19484/entry)
别名	Alpha TFEB; AlphaTFEB; bHLHe35; Class E basic helix-loop-helix protein 35; T cell transcription factor EB; TCFEB; TFEB; TFEB_HUMAN; Transcription factor EB;

产品验证



Western blot analysis of Phospho-TFEB (Ser142) expressed in A549，A431 cell using Phospho-TFEB (Ser142) Rabbit pAb at 1:500. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunofluorescence analysis of HeLa cells labelling Phospho-TFEB (Ser142) with . The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Goat Anti-Rabbit IgG Fluor488 (1:200，shown in green) at room temprature for 1h.

实验步骤

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