

CASTOR1 Rabbit pAb

货号: **AYP23095**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC
推荐浓度	WB: 1:500 - 1:1000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200
理论分子量	36kDa
实测分子量	36KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Mouse thymus
细胞定位	cytosol
纯化	Affinity purification

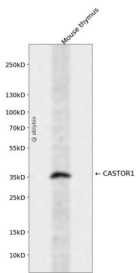
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-329 of human CASTO R1 (NP_001032755.1).
序列	MELHILEHRVRVLSVARPGLWLYTHPLIKLLFLPRRSRCKFFSLTETPEDYTLMVDEEGFKELPPSEFLQVAEATWLVLNVSS HSGAAVQAAGVTKIARSVIAPLAEHVSVLMLSTYQTDFILVREQDLSVVIHTLAQEFDIYREVGGEPVPTRDDSSNGFPR TQHGSPVTHPIQSPQNRFCVLTLDPETLPAIATTLIDVLFYSHSTPKEAASSSPEPSSITFFAFSLIEGYISIVMDAETQKKFP SDLLLTSSSGELWRMVRIGGQPLGFDECGIVAQIAGPLAAADISAYYISTFNFDHALVPEDGIGSVIEVLQRRQEGLAS

靶点信息

研究背景	Functions as an intracellular arginine sensor within the amino acid-sensing branch of the TORC1 signaling pathway. As a homodimer or a heterodimer with CASTOR2, binds and inhibits the GATOR subcomplex GATOR2 and thereby mTORC1. Binding of arginine to CASTOR1 allosterically disrupts the interaction of CASTOR1-containing dimers with GATOR2 which can in turn activate mTORC1 and the TORC1 signaling pathway.
基因ID	652968
基因名	CASTOR1
Swiss	Q8WTX7
别名	GATSL3

产品验证



Western blot analysis of CASTOR1 expressed in Mouse thymus using CASTOR1 Rabbit pAb at 1:1000. 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.

实验步骤

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