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LOX12 Rabbit mAb

货号: AYM30610

产品信息

反应	Human,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	**WB:** 1:500 - 1:2000
理论分子量	75kDa
实测分子量	70kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	A-431
细胞定位	Cytoplasm,Membrane,cytosol
纯化	Affinity purification

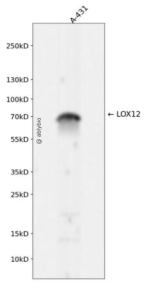
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human LOX12.

靶点信息

研究背景	Catalyzes the regio and stereo-specific incorporation of molecular oxygen into free and esterified polyuns aturated fatty acids generating lipid hydroperoxides that can be further reduced to the corresponding hy droxy species. Mainly converts arachidonate ((5Z,8Z,11Z,14Z-eicosatetraenoate to the specific bioactive l ipid (12S-hydroperoxyeicosatetraenoate/(12S-HPETE. Through the production of bioactive lipids like (12S-HPETE it regulates different biological processes including platelet activation. It can also catalyze the epo xidation of double bonds of polyunsaturated fatty acids such as (14S-hydroperoxy-docosahexaenoate/(14 S-HPDHA resulting in the formation of (13S,14S-epoxy-DHA. Furthermore, it may participate in the sequen tial oxidations of DHA ((4Z,7Z,10Z,13Z,16Z,19Z-docosahexaenoate to generate specialized pro-resolving mediators (SPMs like resolvin D5 ((7S,17S-diHPDHA and (7S,14S-diHPDHA, that actively downregulate the immune response and have anti-aggregation properties with platelets.
基因ID	239
基因名	ALOX12
Swiss	P18054 (https://www.uniprot.org/uniprotkb/P18054/entry)
别名	LOX12,LOX12 Rabbit mAb,ALOX12,Arachidonate (12S)-lipoxygenase,Arachidonate (15S)-lipoxygenase,Lin oleate (13S)-lipoxygenase,Lipoxin synthase 12-LO,Platelet-type lipoxygenase 12,12LO,LOG12

产品验证



Western blot analysis of LOX12 expressed in A-431 using LOX12 Rabbit mAb at 1:1000. Secondary antibod y: 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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