

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°C. 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

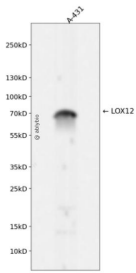
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human LOX12.
序列	YQRDDIVKGDPELQAWCREITEVGLCQAQDRGFPVSFQSQSQLCHFLTMCVFTCTAQHAAINQGQLDWYAWVPNAPCTMRMPPPTTKEDVTMATVMGSLPDVRQACLQMAISWHLSSRRQPDMVPLGHHKEYFSGPKPKAVLNQFRDLEKLEKEITARNEQLDWPYEYLPSCIENSVTI

靶点信息

研究背景	Catalyzes the regio and stereo-specific incorporation of molecular oxygen into free and esterified polyunsaturated fatty acids generating lipid hydroperoxides that can be further reduced to the corresponding hydroxy species. Mainly converts arachidonate ((5Z,8Z,11Z,14Z-eicosatetraenoate to the specific bioactive lipid (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 epoxidation of double bonds of polyunsaturated fatty acids such as (14S-hydroperoxy-docosahexaenoate/(14S-HPDHA resulting in the formation of (13S,14S-epoxy-DHA. Furthermore, it may participate in the sequential 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
别名	ALOX12;12-LOX;12S-LOX;LOG12;12S-type

产品验证



Western blot analysis of LOX12 expressed in A-431 using LOX12 Rabbit mAb 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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