

ALOX12 Rabbit pAb

货号: B15469

产品信息

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| 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: 1:50 - 1:200 |
| 理论分子量 | 75kDa |
| 实测分子量 | 76KDa |
| 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 | A-431 |
| 细胞定位 | Cytoplasm,Membrane,cytosol |
| 纯化 | Affinity purification |

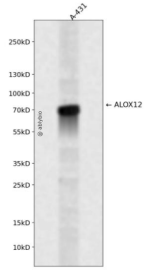
抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 483-663 of human ALOX 12 (NP_000688.2). |
| 序列 | YQRDDIVKGDPELQAWCREITEVGLCQAQDRGFPVSFQSQSQLCHFLTMCVFTCTAQHAAINQGQLDWYAWVPNAPCTMRMPPTTKEDVTMATVMGSLPDVRQACLQMAISWHLRRQPDMMVPLGHHKEKYFSGPKPKAVLNQFRTDLEKLEKITARNEQLDWPYEYLPSCIENSVTI |

靶点信息

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| 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 ALOX12 expressed in A-431 using ALOX12 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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