

ALOX15 Rabbit pAb

货号: B11445

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: human , Mus musculus , Homo sapiens
应用	IHC IF/ICC
推荐浓度	IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200
理论分子量	70kDa/74kDa
实测分子量	70kDa/74kDa
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	
细胞定位	Cell membrane,Cytoplasm,Lipid droplet,Peripheral membrane protein,cytosol
纯化	Affinity purification

抗原信息

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序列	MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPEYLGPLL FVKLRKRHLLKDDAWFCN WISVQGPGAGDEVRFPCYRWVEGNGVLSLPEGTGRTVGEDPQGLFQKHREEELEERRKLYRWGNWKDGLILNMAGAKL YDLPVDERFLEDKRVDFEVSLAKGLADLAIKDSLNVLTCKWDLDDFNRIFWCGQSKLAERV RDSWKEDALFGY

靶点信息

研究背景	Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acids generating a spectrum of bioactive lipid mediators. It inserts peroxy groups at C12 or C15 of arachidonate ((5Z,8Z,11Z,14Z-eicosatetraenoate producing both 12-hydroperoxyeicosatetraenoate/12-HPETE and 15-hydroperoxyeicosatetraenoate/15-HPETE. It may then act on 12-HPETE to produce hepoxilins, which may show proinflammatory properties (By similarity. Can also peroxidize linoleate ((9Z,12Z-octadecadienoate to 13-hydroperoxyoctadecadienoate/13-HPODE. May participate in the sequential oxidations of DHA ((4Z,7Z,10Z,13Z,16Z,19Z-docosahexaenoate to generate specialized pro-resolving mediators (SPMslike resolvin D5 ((7S,17S-diHPDHA and (7S,14S-diHPDHA, that actively downregulate the immune response and have anti-aggregation properties with platelets. Can convert epoxy fatty acids to hydroperoxy-epoxides derivatives followed by an intramolecular nucleophilic substitution leading to the formation of monocyclic endoperoxides. Plays an important role during the maintenance of self-tolerance by peroxidizing membrane-bound phosphatidylethanolamine which can then signal the sorting process for clearance of apoptotic cells during inflammation and prevent an autoimmune response.
基因ID	246
基因名	ALOX15
Swiss	P16050
别名	ALOX15;12-LOX;15-LOX-1;15LOX-1

产品验证

实验步骤

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