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# ALOX15 Rabbit pAb

货号: **AYP11445**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> human , Mus musculus , Homo sapiens
应用	IHC IF/ICC
推荐浓度	<b>IHC:</b> 1:50 - 1:200 <b>IF/ICC:</b> 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

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human ALOX15 (NP_001131.3).
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## 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 (SPM-like resolvin D5 ((7S,17S-diHDPHA and (7S,14S-diHDPHA, 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 ( <a href="https://www.uniprot.org/uniprotkb/P16050/entry">https://www.uniprot.org/uniprotkb/P16050/entry</a> )
别名	ALOX15,12-LOX,15-LOX-1,15LOX-1,ALOX15 Rabbit pAb,12/15-lipoxygenase,Arachidonate 12-lipoxygenase, leukocyte-type,Arachidonate 15-lipoxygenase,Arachidonate omega-6 lipoxygenase,Hepoxilin A3 synthase Alox15,Linoleate 13S-lipoxygenase,LOG15

## 产品验证

## 实验步骤

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