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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	**WB:** human , Mus musculus , Homo sapiens
应用	WB IHC ICC/IF
推荐浓度	**WB:** 1:500- 1:2000 **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℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Monocyte,Eosinophil
细胞定位	Cell membrane,Cytoplasm,Lipid droplet,Peripheral membrane protein,cytosol
纯化	Affinity purification

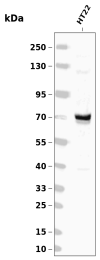
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human ALOX15 (NP_001131.3).

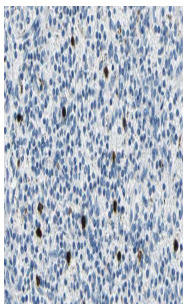
靶点信息

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 peroxyl 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 (https://www.uniprot.org/uniprotkb/P16050/entry)
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



Western blot analysis of extracts from HT22 cells using ALOX15 at 1:500.



human spleen was stained with anti-ALOX15 Rabbit antibody，1：100

实验步骤

访问官网浏览详情: www.ablybio.cn (https://www.ablybio.cn//www.ablybio.cn)