— ABLYBIO, Help Your Research

ALOX12 Rabbit pAb

货号: AYP15469

产品信息

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℃. 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

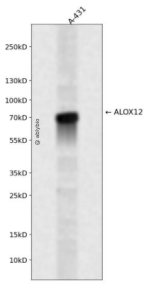
抗原信息

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

靶点信息

研究背景	Catalyzes the regio and stereo-specific incorporation of molecular oxygen into free and esterified polyuns aturated fatty acids generating lipid hydroperoxides that can be further reduced to the corresponding hy droxy species. Mainly converts arachidonate ((5Z,8Z,11Z,14Z-eicosatetraenoate to the specific bioactive l ipid (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 epo xidation of double bonds of polyunsaturated fatty acids such as (14S-hydroperoxy-docosahexaenoate/(14 S-HPDHA resulting in the formation of (13S,14S-epoxy-DHA. Furthermore, it may participate in the sequen tial 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 (https://www.uniprot.org/uniprotkb/P18054/entry)
别名	ALOX12,12-LOX,12S-LOX,LOG12,12S-type,ALOX12 Rabbit pAb,Arachidonate (12S)-lipoxygenase,Arachidon ate (15S)-lipoxygenase,Linoleate (13S)-lipoxygenase,Lipoxin synthase 12-LO,Platelet-type lipoxygenase 1 2,12LO

产品验证



Western blot analysis of ALOX12 expressed in A-431 using ALOX12 Rabbit pAb at 1:1000. Secondary antib ody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-f at dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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