



Anti-ALOX12B (aa 171-261) polyclonal antibody (DPAB-DC1150)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene are associated with nonbullos congenital ichthyosiform erythroderma.
Immunogen	ALOX12B (NP_001130, 171 a.a. ~ 261 a.a) partial recombinant protein with GST tag. The sequence is NPNRPEWNGYIPGFPIINFKATKFLNLNLRYSLKTASFFVRLGPMALAFKVRGLLDCK HSWKRLKDIRKIFPGKKSVVSEYVAEHWAED
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ALOX12B arachidonate 12-lipoxygenase, 12R type [Homo sapiens (human)]
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Official Symbol	ALOX12B
Synonyms	ALOX12B; arachidonate 12-lipoxygenase, 12R type; ARCI2; 12R-LOX; arachidonate 12-lipoxygenase, 12R-type; 12R-lipoxygenase; epidermis-type lipoxygenase 12;
Entrez Gene ID	242
Protein Refseq	NP_001130
UniProt ID	O75342
Chromosome Location	17p13.1
Pathway	Arachidonic acid metabolism; IL23-mediated signaling events; Metabolism of lipids and lipoproteins; Synthesis of 12-eicosatetraenoic acid derivatives
Function	arachidonate 12-lipoxygenase activity; iron ion binding; linoleate 9S-lipoxygenase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen
