

Anti-Leukotriene A4 Hydrolase Antibody (3C202)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	3C202
Purification:	Affinity-chromatography

Applications

	Western Blot
	-Positive WB detected in: Hela whole cell lysate, 293 whole cell lysate, 293T whole cell lysate, PC-3 whole cell lysate, Mouse Brain whole cell lysate
Verified Activity:	-All lanes: LTA4H antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 70, 60, 58, 67 kDa -Observed band size: 70 kDa
Application:	ELISA, WB
Recommended	WB:1:500-1:5000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human LTA4H
Antigen Species:	Human
Gene ID:	4048
Uniprot ID:	P09960
Synonyms:	LAT4;leukotriene A4 hydrolase
Biology Area:	Cancer, Immunology, Metabolism

Research Background

Bifunctional zinc metalloenzyme that comprises both epoxide hydrolase (EH) and aminopeptidase activities. Acts as an epoxide hydrolase to catalyze the conversion of LTA4 to the proinflammatory mediator leukotriene B4 (LTB4). Has also aminopeptidase activity, with high affinity for N-terminal arginines of various synthetic tripeptides. In addition to its proinflammatory EH activity, may also counteract inflammation by its aminopeptidase activity, which inactivates by cleavage another neutrophil attractant, the tripeptide Pro-Gly-Pro (PGP), a bioactive fragment of collagen generated by the action of matrix metalloproteinase-9 (MMP9) and prolylendopeptidase (PREPL). Involved also in the biosynthesis of resolvin E1 and 18S-resolvin E1 from eicosapentaenoic acid, two lipid mediators that show potent anti-inflammatory and pro-resolving actions.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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