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Datasheet for ABIN5006022

anti-LALBA antibody (AA 61-142) (Alexa Fluor 750)

Overview

Quantity:	100 µL
Target:	LALBA
Binding Specificity:	AA 61-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LALBA antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LALBA/alpha Lactalbumin
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	LALBA
Alternative Name:	LALBA/alpha Lactalbumin (LALBA Products)
Background:	Synonyms: a-LACTA, alfaLA, Alpha-lactalbumin, Lactalbumin alpha, Lactose synthase B protein,

Target Details

LALBA, LALBA_HUMAN, Lysozyme-like protein 7, LYZL7.

Background: Alpha-lactalbumin is the B protein of lactose synthetase secreted by the mammary epithelial cells. It is a potent Ca^{2+} -elevating and apoptosis-inducing agent with broad, yet selective, cytotoxic activity. Multimeric α -lactalbumin has been shown to kill all transformed, embryonic and lymphoid cells tested, but not mature epithelial elements. This suggests that milk contributes to mucosal immunity not only by furnishing antimicrobial molecules but also by policing the function of lymphocytes and epithelium. α -lactalbumin may be helpful in discovering the site of origin of metastatic breast tumors. Human lactalbumin contains 123 amino acid residues. Comparison of the 5' flanking sequences of the two Alpha-lactalbumin genes with those of five casein genes reveals the presence of a highly conserved region extending from position -140 to -110 in all seven sequences examined, suggesting a possible regulatory role in the hormonal control or tissue-specific expression of milk protein genes in the mammary gland.

Gene ID: 3906

UniProt: [P00709](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 $\mu\text{g}/\mu\text{L}$

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months