



Anti-LALBA (aa 33-142) polyclonal antibody (DPAB-DC1818)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes alpha-lactalbumin, a principal protein of milk. Alpha-lactalbumin forms the regulatory subunit of the lactose synthase (LS) heterodimer and beta 1,4-galactosyltransferase (beta4Gal-T1) forms the catalytic component. Together, these proteins enable LS to produce lactose by transferring galactose moieties to glucose. As a monomer, alpha-lactalbumin strongly binds calcium and zinc ions and may possess bactericidal or antitumor activity. A folding variant of alpha-lactalbumin, called HAMLET, likely induces apoptosis in tumor and immature cells.
Immunogen	LALBA (NP_002280, 33 a.a. ~ 142 a.a) partial recombinant protein with GST tag. The sequence is DIDGYGGIALPELICTMFHTSGYDTQAIVENNESTEYGLFQISNKLWCKSSQVPQSRNIC DISCDKFLDDDDITDDIMCAKILDIDYWLAKALCTEKLQWLCEKL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	LALBA lactalbumin, alpha- [Homo sapiens (human)]
Official Symbol	LALBA
Synonyms	LALBA; lactalbumin, alpha-; alpha-lactalbumin; lysozyme-like protein 7; lactose synthase B protein;
Entrez Gene ID	3906
Protein Refseq	NP_002280
UniProt ID	A0A080YV01
Chromosome Location	12q13
Pathway	Galactose metabolism;
Function	calcium ion binding; lactose synthase activity;