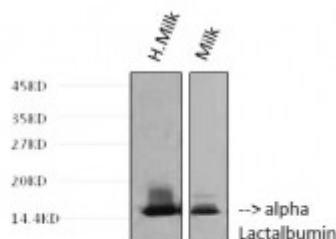


## Anti-alpha Lactalbumin antibody



Western Blot (WB) analysis of 1. Human milk 2. Milk cells using alpha Lactalbumin Monoclonal Antibody. (STJ96986)



### Description

Alpha Lactalbumin is a protein encoded by the LALBA gene which is approximately 16,2 kDa. Alpha Lactalbumin is secreted into the extracellular space. It is involved in galactose metabolism, lactose synthesis and glycosaminoglycan metabolism. It is a regulatory subunit of lactose synthase, it changes the substrate specificity of galactosyltransferase in the mammary gland which enables LS to synthesize lactose, the major carbohydrate component of milk. Alpha Lactalbumin is expressed specifically in mammary glands. Mutations in the LALBA gene may result in milk allergy. STJ96986 was developed from clone 9E9 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. The antibody detects endogenous alpha Lactalbumin proteins.

<b>Model</b>	STJ96986
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Applications</b>	WB
<b>Immunogen</b>	Synthetic Peptide
<b>Gene ID</b>	<a href="#">3906</a>
<b>Gene Symbol</b>	<a href="#">LALBA</a>
<b>Dilution range</b>	WB 1:1000
<b>Specificity</b>	The antibody detects endogenous alpha Lactalbumin proteins.
<b>Tissue Specificity</b>	Mammary gland specific. Secreted in milk.
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-

	chromatography using specific immunogen.
<b>Clone ID</b>	9000000000
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Alpha-lactalbumin Lactose synthase B protein Lysozyme-like protein 7
<b>Clonality</b>	Monoclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/Protein/64800">HGNC:64800MIM:149750</a>
<b>Alternative Names</b>	Alpha-lactalbumin Lactose synthase B protein Lysozyme-like protein 7
<b>Function</b>	Regulatory subunit of lactose synthase, changes the substrate specificity of galactosyltransferase in the mammary gland making glucose a good acceptor substrate for this enzyme. This enables LS to synthesize lactose, the major carbohydrate component of milk. In other tissues, galactosyltransferase transfers galactose onto the N-acetylglucosamine of the oligosaccharide chains in glycoproteins.
<b>Cellular Localization</b>	Secreted.