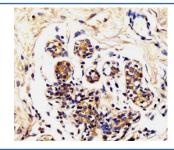


# Alpha Lactalbumin Antibody / LALBA (F54239)

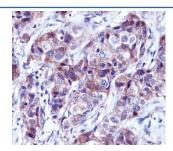
Catalog No.	Formulation	Size
F54239-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54239-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

# **Bulk quote request**

Availability	1-3 business days	
Species Reactivity	Human	
Format	Purified	
Clonality	Polyclonal (rabbit origin)	
Isotype	Rabbit Ig	
Purity	Antigen affinity purified	
UniProt	P00709	
Gene ID	3906	
Applications	Western Blot : 1:1000-1:2000 Immunohistochemistry (FFPE) : 1:25-1:50	
Limitations	This Alpha Lactalbumin antibody is available for research use only.	

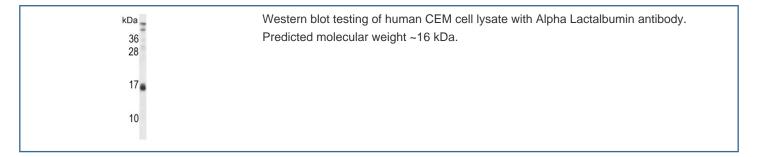


IHC testing of FFPE human breast tissue with Alpha Lactalbumin antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human breast carcinoma tissue with Alpha Lactalbumin antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

95-	t testing of human breast tissue lysate with Alpha Lactalbumin antibody. olecular weight ~16 kDa.
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## **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 transfering 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.

### **Application Notes**

The stated application concentrations are suggested starting points. Titration of the Alpha Lactalbumin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

#### **Immunogen**

A portion of amino acids 39-68 from the human protein were used as the immunogen for the Alpha Lactalbumin antibody.

#### **Storage**

Aliquot the Alpha Lactalbumin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.