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alpha Lactalbumin Monoclonal Antibody(9E9)

Catalog # AP63338

Product Information

Application	WB, IHC-P, IF
Primary Accession	P00709
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	16225

Additional Information

Gene ID	3906
Other Names	Alpha-lactalbumin (Lactose synthase B protein) (Lysozyme-like protein 7)
Dilution	WB~~WB: 1:1000 IF 1:200 IHC 1:50-300 IHC-P~~WB: 1:1000 IF 1:200 IHC 1:50-300 IF~~1:50~200
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20℃

Protein Information

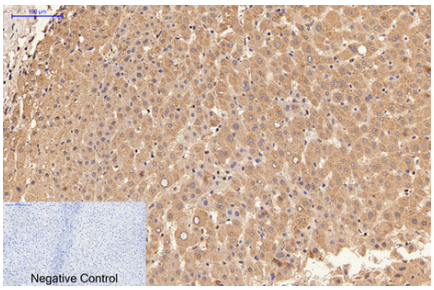
Name	LALBA
Synonyms	LYZL7
Function	Regulatory subunit of lactose synthase, changes the substrate specificity of galactosyltransferase in the mammary gland making glucose a good acceptor substrate for this enzyme. This enables LS to synthesize lactose, the major carbohydrate component of milk. In other tissues, galactosyltransferase transfers galactose onto the N- acetylglucosamine of the oligosaccharide chains in glycoproteins.
Cellular Location	Secreted.
Tissue Location	Mammary gland specific. Secreted in milk.

Background

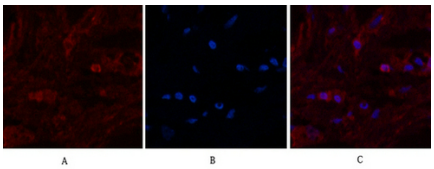
Regulatory subunit of lactose synthase, changes the substrate specificity of galactosyltransferase in the mammary gland making glucose a good acceptor substrate for this enzyme. This enables LS to synthesize

lactose, the major carbohydrate component of milk. In other tissues, galactosyltransferase transfers galactose onto the N-acetylglucosamine of the oligosaccharide chains in glycoproteins.

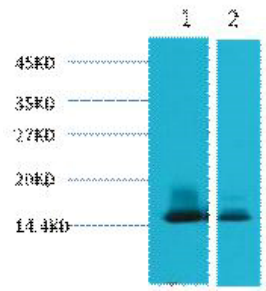
Images



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,alpha Lactalbumin Monoclonal Antibody(9E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-breast tissue. 1,alpha Lactalbumin Monoclonal Antibody(9E9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Human Milk, 2) Milk, diluted at 1:3000.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.