



Rabbit Anti-Human LTBP4 polyclonal antibody (CABT-L726R)

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

PRODUCT INFORMATION

Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human LTBP4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC-P Recommended dilution: WB: 1:500-1:3000 ICC/IF: 1:100-1:1000 IHC-P: 1:100-1:1000
Positive Control	K562 , Mouse brain
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Preservative	None
Storage	For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -

20°C or below. Avoid multiple freeze-thaw cycles.

Ship

Wet ice

BACKGROUND

Introduction

The protein encoded by this gene binds transforming growth factor beta (TGFB) as it is secreted and targeted to the extracellular matrix. TGFB is biologically latent after secretion and insertion into the extracellular matrix, and sheds TGFB and other proteins upon activation. Defects in this gene may be a cause of cutis laxa and severe pulmonary, gastrointestinal, and urinary abnormalities. Three transcript variants encoding different isoforms have been found for this gene. Urban-Rifkin-Davis syndrome (URDS) [MIM:613177]: A syndrome characterized by disrupted pulmonary, gastrointestinal, urinary, musculoskeletal, craniofacial and dermal development. Clinical features include cutis laxa, mild cardiovascular lesions, respiratory distress with cystic and atelectatic changes in the lungs, and diverticulosis, tortuosity and stenosis at various levels of the intestinal tract. Craniofacial features include microretrognathia, flat midface, receding forehead and wide fontanelles. Note=The disease is caused by mutations affecting the gene represented in this entry. The function about LTBP4 antigen include calcium ion binding; glycosaminoglycan binding; integrin binding; protein binding; transforming growth factor beta binding; transforming growth factor beta binding; transforming growth factor beta-activated receptor activity.

Keywords

LTBP4;latent transforming growth factor beta binding protein 4;ARCL1C;LTBP-4;LTBP4L;LTBP4S

GENE INFORMATION

Gene Name

LTBP4

Entrez Gene ID

[8425](#)

UniProt ID

[B3KXY6](#)