abcam

Product datasheet

Anti-LCT antibody ab121260

画像数 1

製品の概要

製品名	Anti-LCT antibody
製品の詳細	Rabbit polyclonal to LCT
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P
種交差性	**交差種:** Human
免疫原	Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence corresponding to amino acids 180-328 of Human LCT.
ポジティブ・コントロール	Human stomach tissue
特記事項	Store product undiluted. The antibody solution should be gently mixed before use.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
精製度	Immunogen affinity purified
特記事項（精製）	ab121260 was affinity purified using the PrEST antigen as affinity ligand and is mono-specific.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab121260** in the following tested applications.

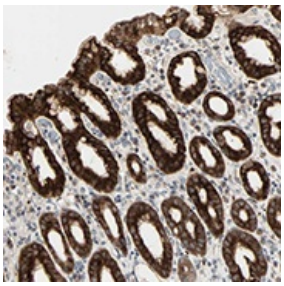
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/200. Perform Heat Induced Epitope Retrieval (HIER) at pH 6.

ターゲット情報

機能	LPH splits lactose in the small intestine.
組織特異性	Intestine.
関連疾患	Defects in LCT are the cause of congenital lactase deficiency (COLACD) [MIM:223000]; also known as hereditary alactasia or disaccharide intolerance II. Congenital lactase deficiency is a an autosomal recessive, rare and severe gastrointestinal disorder. It is characterized by watery diarrhea in infants fed with breast milk or other lactose-containing formulas. An almost total lack of LCT activity is found in jejunal biopsy material of patients with congenital lactase deficiency. Opposite to congenital lactase deficiency, adult-type hypolactasia, also known as lactose intolerance, is the most common enzyme deficiency worldwide. It is caused by developmental down-regulation of lactase activity during childhood or early adulthood. The decline of lactase activity is a normal physiological phenomenon; however, the majority of Northern Europeans have the ability to maintain lactase activity and digest lactose throughout life (lactase persistence). The down-regulation of lactase activity operates at the transcriptional level and it is associated with a noncoding variation in the MCM6 gene, located in the upstream vicinity of LCT.
配列類似性	Belongs to the glycosyl hydrolase 1 family.
ドメイン	The sequence exhibits 4 regions (I-IV) of internal homology; therefore LPH might have evolved by two cycles of partial gene duplication.
細胞内局在	Apical cell membrane. Brush border.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LCT antibody (ab121260)

ab121260, at 1/300 dilution, staining LCT in paraffin-embedded Human stomach tissue by Immunohistochemistry, showing strong cytoplasmic positivity in glandular cells.

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