abcam

Product datasheet

Anti-Iduronate 2 sulfatase antibody ab85701

画像数 2

製品の概要

製品名	Anti-Iduronate 2 sulfatase antibody
製品の詳細	Goat polyclonal to Iduronate 2 sulfatase
特異性	Expected to recognize isoform A (NP_000193.1).
アプリケーション	**適用あり:** IHC-P, WB
種交差性	**交差種:** Human
免疫原	Synthetic peptide: KHFRFRDLEEDP by a Cysteine residue linker, corresponding to internal sequence amino acids 440-451 of Human Iduronate 2 sulfatase (NP_000193.1) Run BLAST with Run BLAST with
ポジティブ・コントロール	Human Liver lysate.

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 repeated freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
精製度	Immunogen affinity purified
特記事項（精製）	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
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 **ab85701** in the following tested applications.

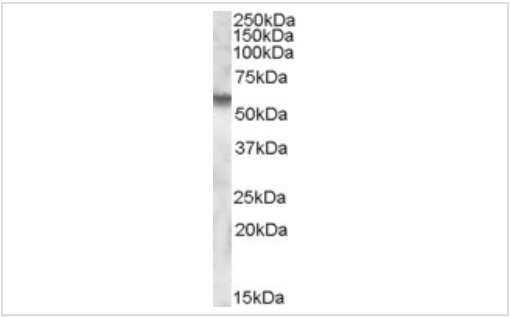
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 3 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 62 kDa (predicted molecular weight: 62 kDa).

ターゲット情報

機能	Required for the lysosomal degradation of heparan sulfate and dermatan sulfate.
組織特異性	Liver, kidney, lung, and placenta.
関連疾患	Defects in IDS are the cause of mucopolysaccharidosis type 2 (MPS2) [MIM:309900]; also known as Hunter syndrome. MPS2 is an X-linked lysosomal storage disease characterized by intracellular accumulation of heparan sulfate and dermatan sulfate and their excretion in urine. Most children with MPS2 have a severe form with early somatic abnormalities including skeletal deformities, hepatosplenomegaly, and progressive cardiopulmonary deterioration. A prominent feature is neurological damage that presents as developmental delay and hyperactivity but progresses to mental retardation and dementia. They die before 15 years of age, usually as a result of obstructive airway disease or cardiac failure. In contrast, those with a mild form of MPS2 may survive into adulthood, with attenuated somatic complications and often without mental retardation.
配列類似性	Belongs to the sulfatase family.
翻訳後修飾	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity.
細胞内局在	Lysosome.

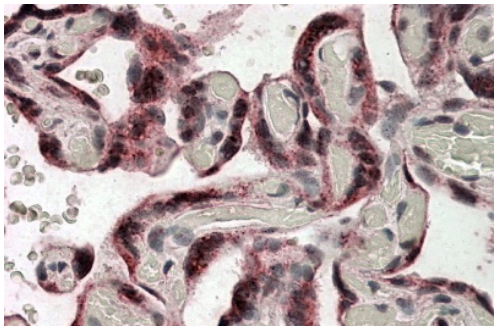
画像



Western blot - Iduronate 2 sulfatase antibody (ab85701)

Anti-Iduronate 2 sulfatase antibody (ab85701)
at 0.1 µg/ml + Human Liver lysate at 35 µg

Predicted band size : 62 kDa
Observed band size : 62 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Iduronate 2 sulfatase antibody (ab85701)

ab85701 (3.8µg/ml) staining of paraffin embedded Human Placenta shows lysosomal staining of trophoblasts. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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