abcam

Product datasheet

Anti-CTNNA1 antibody ab6299

★★★★☆ 1 Abreviews 2 References

製品の概要

製品名	Anti-CTNNA1 antibody
製品の詳細	Rabbit polyclonal to CTNNA1
由来種	Rabbit
特異性	Reacts in dot blot immunoassay with alpha-catenin peptide amino acids 890-901 conjugated to BSA. Reacts with a 102 kD protein in extracts of Madin-Darby Bovine Kidney (MDBK) cultured cell line using immunoblotting. The antiserum shows no cross-reactivity with beta-catenin peptide (amino acids 768-781)conjugated to BSA. Specific staining in immunoblotting is inhibited by pre-incubating the diluted anti-serum with the alpha-catenin peptide.
アプリケーション	**適用あり:** WB, IHC-Fr, Dot blot, ICC/IF
種交差性	**交差種:** Mouse, Cow, Human
免疫原	Synthetic peptide: HVNPVQALSEFK conjugated to KLH, corresponding to amino acids 890-901 of Human and mouse α Catenin. Run BLAST with Run BLAST with
ポジティブ・コントロール	ICC or WB: MDBK epithelial cells IHC-Fr: bovine kidney

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.097% Sodium azide
精製度	Whole antiserum
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

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab6299の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (1)	
IHC-Fr		
Dot blot		
ICC/IF		

追加情報

Dot: Use at an assay dependent dilution.
ICC/IF: 1/2000 (indirect. See recommended protocol).
IHC-Fr: 1/2000.
WB: 1/4000.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network, and which seems to be of primary importance for cadherins cell-adhesion properties. Can associate with both E- and N-cadherins. Originally believed to be a stable component of E-cadherin/catenin adhesion complexes and to mediate the linkage of cadherins to the actin cytoskeleton at adherens junctions. In contrast, cortical actin was found to be much more dynamic than E-cadherin/catenin complexes and CTNNA1 was shown not to bind to F-actin when assembled in the complex suggesting a different linkage between actin and adherens junctions components. The homodimeric form may regulate actin filament assembly and inhibit actin branching by competing with the Arp2/3 complex for binding to actin filaments. May play a crucial role in cell differentiation.

組織特異性

Expressed ubiquitously in normal tissues.

配列類似性

Belongs to the vinculin/alpha-catenin family.

翻訳後修飾

Sumoylated.

細胞内局在

Cell membrane and Cytoplasm > cytoskeleton. Cell junction > adherens junction. Cell membrane. Cell junction. Found at cell-cell boundaries and probably at cell-matrix boundaries.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors