

### Anti-Desmoplakin I+II antibody [DP2.15] ab16434

★★★★★ [3 Abreviews](#) [31 References](#)

#### 製品の概要

製品名	Anti-Desmoplakin I+II antibody [DP2.15]
製品の詳細	Mouse monoclonal [DP2.15] to Desmoplakin I+II
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB, ICC, ICC/IF, IHC-Fr <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, Chicken, Cow, Human
免疫原	Full length protein (Cow).
ポジティブ・コントロール	Positive cell lines: Human A432 and MCF-7; Rat MH1C1; Bovine MDBK and BMGE. Stratified epithelia, simple epithelia, including glands, urothelium, thymic reticular epithelium, hepatocytes, intercalated disks of myocardium and arachnoid cells of meninges.
特記事項	<p>Suitable for use in the detection of primary and metastatic carcinomas.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.1% Sodium azide Constituents: PBS, 0.5% BSA
精製度	Immunogen affinity purified
ポリ/モノ	モノクローナル
クローン名	DP2.15
アイソタイプ	IgG1

## 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ab16434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確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use at an assay dependent concentration.
ICC	★★★★★ (1)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

**追加情報** Is unsuitable for IHC-P.

## ターゲット情報

<b>機能</b>	Major high molecular weight protein of desmosomes. Involved in the organization of the desmosomal cadherin-plakoglobin complexes into discrete plasma membrane domains and in the anchoring of intermediate filaments to the desmosomes.
<b>組織特異性</b>	Isoform DPI is apparently an obligate constituent of all desmosomes. Isoform DPII resides predominantly in tissues and cells of stratified origin.
<b>関連疾患</b>	Keratoderma, palmoplantar, striate 2 Cardiomyopathy, dilated, with woolly hair and keratoderma Arrhythmogenic right ventricular dysplasia, familial, 8 Skin fragility-woolly hair syndrome Epidermolysis bullosa, lethal acantholytic Cardiomyopathy, dilated, with woolly hair, keratoderma, and tooth agenesis
<b>配列類似性</b>	Belongs to the plakin or cytolinker family. Contains 17 plectin repeats. Contains 1 SH3 domain. Contains 6 spectrin repeats.
<b>ドメイン</b>	Its association with epidermal and simple keratins is dependent on the tertiary structure induced by heterodimerization of these intermediate filaments proteins and most likely involves recognition sites located in the rod domain of these keratins. The N-terminal region is required for localization to the desmosomal plaque and interacts with the N-terminal region of plakophilin 1. The three tandem plakin repeat regions in the C-terminus mediate binding to intermediate filaments.
<b>翻訳後修飾</b>	Ser-2849 is probably phosphorylated by a cAMP-dependent protein kinase. Phosphorylation on Ser-2849 probably affects its association with epidermal, simple cytokeratins and VIM intermediate filaments. Substrate of transglutaminase. Some glutamines and lysines are cross-linked to other desmoplakin molecules, to other proteins such as keratin, envoplakin, periplakin and involucrin, and to lipids like omega-hydroxyceramide (PubMed:9651377).

## 細胞内局在

Cell junction, desmosome. Cytoplasm, cytoskeleton. Cell membrane. Innermost portion of the desmosomal plaque. Colocalizes with epidermal KRT5-KRT14 and simple KRT8-KRT18 keratins and VIM intermediate filaments network (PubMed:12802069). Localizes at the intercalated disk in cardiomyocytes (By similarity).

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