

Anti-RNF8 antibody [EPR6311(2)] ab128872

リコンビナント **RabMAb**

画像数 4

製品の概要

製品名	Anti-RNF8 antibody [EPR6311(2)]
製品の詳細	Rabbit monoclonal [EPR6311(2)] to RNF8
由来種	Rabbit
アプリケーション	適用あり: WB 適用なし: ICC/IF, IHC-P or IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human RNF8 aa 50-150. The exact sequence is proprietary.
ポジティブ・コントロール	WB: Human fetal brain and fetal thymus lysates. Mouse breast and ovary lysates. PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR6311(2)
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ab128872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		1/1000 - 1/10000. Detects a band of approximately 60 kDa (predicted molecular weight: 55 kDa).

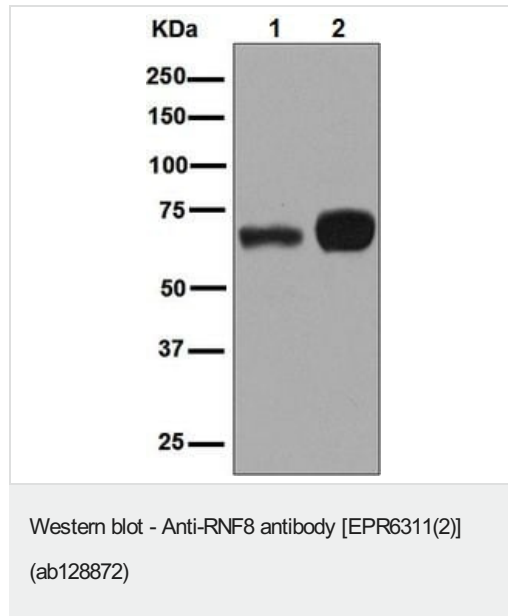
追加情報 Is unsuitable for ICC/IF, IHC-P or IP.

ターゲット情報

機能	E3 ubiquitin-protein ligase required for assembly of repair proteins to sites of DNA damage. Catalyzes the 'Lys-63'-linked ubiquitination of histone H2A and H2AX. Following DNA double-strand breaks (DSBs), it is recruited to the sites of damage by ATM-phosphorylated MDC1, mediates the ubiquitination of histones H2A and H2AX, thereby promoting the formation of TP53BP1 and BRCA1 ionizing radiation-induced foci (IRIF). Promotes the formation of 'Lys-63'-linked polyubiquitin chains and functions with the specific ubiquitin-conjugating UBE2N/UBC13. Substrates that are polyubiquitinated at 'Lys-63' are usually not targeted for degradation. Enforces the G2/M DNA damage checkpoint. Controls the recruitment of UIMC1-BRCC3 (RAP80-BRCC36) and PAXIP1/PTIP to DNA damage sites following DNA double-strand breaks (DSBs). Ubiquitination of histone H2A requires UBE2N but not MMS2 (UBE2V2). May also ubiquitinate histone H2B. Catalyzes the 'Lys-63'-linked ubiquitination of PCNA. May be required for proper exit from mitosis after spindle checkpoint activation and may regulate cytokinesis. May play a role in the regulation of RXRA-mediated transcriptional activity. Not involved in RXRA ubiquitination by UBE2E2.
組織特異性	Ubiquitous. In fetal tissues, highest expression in brain, thymus and liver. In adult tissues, highest levels in brain and testis, lowest levels in peripheral blood cells.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Belongs to the RNF8 family. Contains 1 FHA domain. Contains 1 RING-type zinc finger.
発生段階	Low levels at the G1-S boundary increase in intensity during S phase and until the end of the G2 phase. Abruptly decreases in late mitosis (at protein level). Barely detectable in anaphase.
ドメイン	The FHA domain specifically recognizes and binds ATM-phosphorylated MDC1 and Thr-4827 phosphorylated HERC2.
翻訳後修飾	Autoubiquitinated through 'Lys-48' and 'Lys-63' of ubiquitin. 'Lys-63' polyubiquitination is mediated by UBE2N. 'Lys-29'-type polyubiquitination is also observed, but it doesn't require its own functional RING-type zinc finger.
細胞内局在	Nucleus. Midbody. Following DNA double-strand breaks, recruited to the sites of damage. During prophase, concomitant with nuclear envelope breakdown, localizes throughout the cell, with a

dotted pattern. In telophase, again in the nucleus and also with a discrete dotted pattern in the cytoplasm. In late telophase and during cytokinesis, localizes in the midbody of the tubulin bridge joining the daughter cells. Does not seem to be associated with condensed chromosomes at any time during the cell cycle.

画像



All lanes : Anti-RNF8 antibody [EPR6311(2)] (ab128872) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

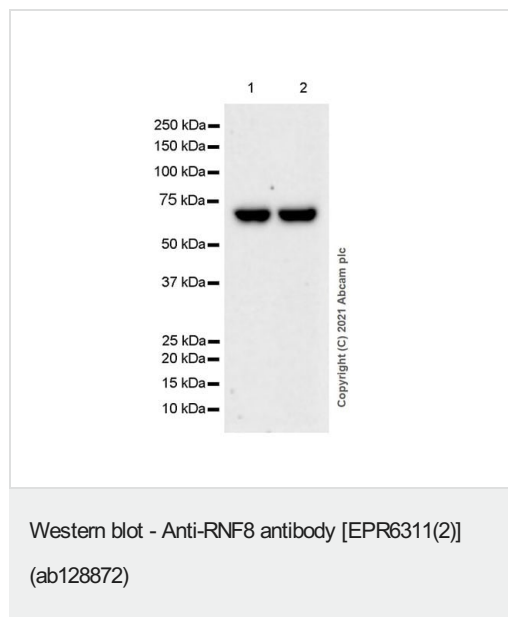
Lane 2 : Human fetal thymus lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 55 kDa



All lanes : Anti-RNF8 antibody [EPR6311(2)] (ab128872) at 1/1000 dilution

Lane 1 : Mouse breast tissue lysate

Lane 2 : Mouse ovary tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

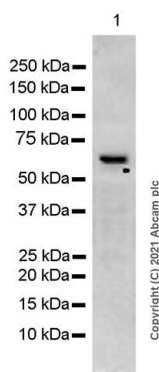
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 55 kDa

Observed band size: 56 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 103 seconds



Western blot - Anti-RNF8 antibody [EPR6311(2)]
(ab128872)

Anti-RNF8 antibody [EPR6311(2)] (ab128872) at 1/1000 dilution +
PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate at
20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 55 kDa

Observed band size: 56 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 3 minutes

This blot was developed using a higher sensitivity ECL substrate

Why choose a recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-RNF8 antibody [EPR6311(2)] (ab128872)

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

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