

Anti-Activin Receptor Type IA antibody [EPR4076(2)] ab155981

リコンビナント RabMAb[®]

★★★★☆ **1 Abreviews** **6 References** **画像数 5**

製品の概要

製品名	Anti-Activin Receptor Type IA antibody [EPR4076(2)]
製品の詳細	Rabbit monoclonal [EPR4076(2)] to Activin Receptor Type IA
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Activin Receptor Type IA aa 450 to the C-terminus. The exact sequence is proprietary. Database link: Q04771
ポジティブ・コントロール	WB: human, rat and mouse fetal brain lysate IP: mouse brain lysate
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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 long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4076(2)
アイソタイプ	IgG

アプリケーション

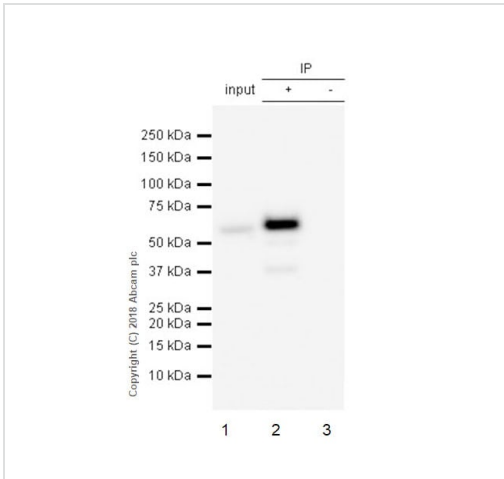
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab155981の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (1)	1/1000 - 1/10000. Detects a band of approximately 57 kDa (predicted molecular weight: 57 kDa).
IP		1/10 - 1/100.

ターゲット情報

機能	On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for activin. May be involved for left-right pattern formation during embryogenesis.
組織特異性	Expressed in normal parenchymal cells, endothelial cells, fibroblasts and tumor-derived epithelial cells.
関連疾患	Defects in ACVR1 are a cause of fibrodysplasia ossificans progressiva (FOP) [MIM:135100]. FOP is a rare autosomal dominant disorder of skeletal malformations and progressive extraskeletal ossification. Heterotopic ossification in FOP begins in childhood and can be induced by trauma or may occur without warning. Bone formation is episodic and progressive, leading to extra-articular ankylosis of all major joints of the axial and appendicular skeleton, rendering movement impossible.
配列類似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily. Contains 1 GS domain. Contains 1 protein kinase domain.
細胞内局在	Membrane.

画像



Immunoprecipitation - Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981)

ab155981 (purified) at 1:50 dilution (2µg) immunoprecipitating Activin Receptor Type IA in Mouse brain lysate.

Lane 1 (input): Mouse brain lysate 10µg

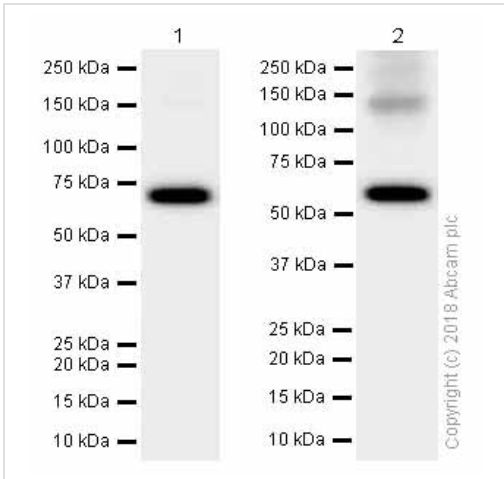
Lane 2 (+): ab155981 & Mouse brain lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab155981 in Mouse brain lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP)

(**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



Western blot - Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981)

All lanes : Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981) at 0.5 µg/ml (purified)

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysates

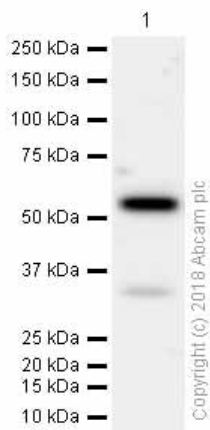
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 57 kDa

Blocking and diluting buffer: 5% NFDm/TBST.



Western blot - Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981)

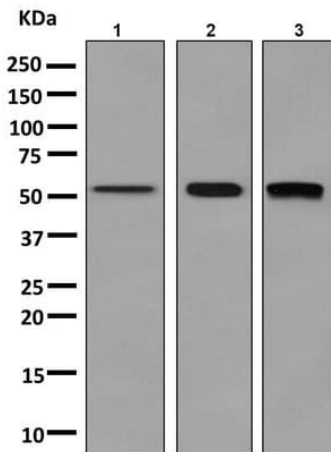
Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981) at 0.5 µg/ml (purified) + Human fetal brain lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 57 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Western blot - Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981)

All lanes : Anti-Activin Receptor Type IA antibody [EPR4076(2)] (ab155981) at 1/1000 dilution (Unpurified)

Lane 1 : Fetal brain lysate

Lane 2 : Fetal heart lysate

Lane 3 : Fetal muscle lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 57 kDa

Observed band size: 57 kDa

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-Activin Receptor Type IA antibody [EPR4076(2)]
(ab155981)

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