

Product datasheet

Anti-COUP TF1 antibody [EPR10841] α b181137

Recombinant RabMAb

[11 References](#) [12 Images](#)

Overview

Product name	Anti-COUP TF1 antibody [EPR10841]
Description	Rabbit monoclonal [EPR10841] to COUP TF1
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain, Human fetal kidney and 293 cell lysates; Human glioblastoma tissue, Human transitional cell carcinoma tissue, and 293 cells. Mouse E12.5 brain lysates, human breast carcinoma, MCF7.
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR10841
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181137 in the following tested applications.

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

Application	Abreviews	Notes
Flow Cyt (Intra)		1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. For unpurified use at 1/70.
WB		1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
ICC/IF		1/100 - 1/250.

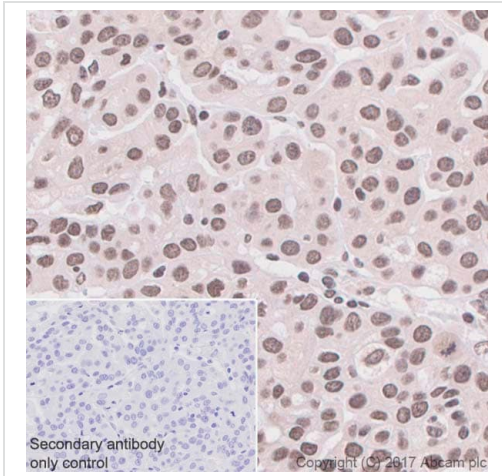
Target

Function Coup (chicken ovalbumin upstream promoter) transcription factor binds to the ovalbumin promoter and, in conjunction with another protein (S300-II) stimulates initiation of transcription. Binds to both direct repeats and palindromes of the 5'-AGGTCA-3' motif. Represses transcriptional activity of LHCG.

Sequence similarities Belongs to the nuclear hormone receptor family. NR2 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

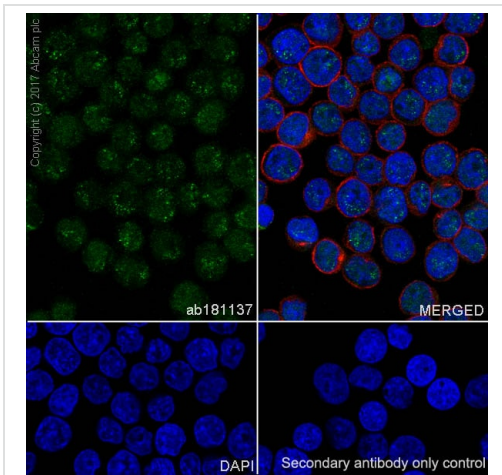
Cellular localization Nucleus.

Images



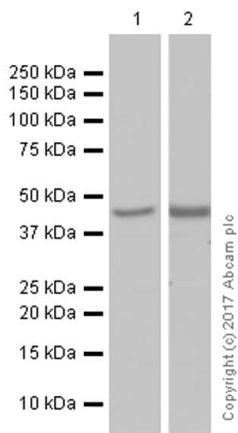
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COUP TF1 antibody [EPR10841] (ab181137)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue sections labeling COUP TF1 with Purified ab181137 at 1:100 dilution. Heat mediated antigen retrieval was performed using citrate buffer, pH6.0 . Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Immunocytochemistry/ Immunofluorescence - Anti-COUP TF1 antibody [EPR10841] (ab181137)

Immunocytochemistry/ Immunofluorescence analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling Coup TF1 with Purified ab181137 at 1:100 dilution. Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). **ab150077** Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-COUP TF1 antibody [EPR10841] (ab181137)

All lanes : Anti-COUP TF1 antibody [EPR10841] (ab181137) at 1/5000 dilution (purified)

Lane 1 : Human fetal brain lysates

Lane 2 : Human fetal kidney lysates

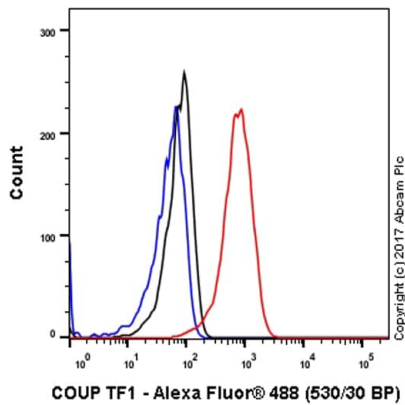
Lysates/proteins at 20 µg per lane.

Secondary

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

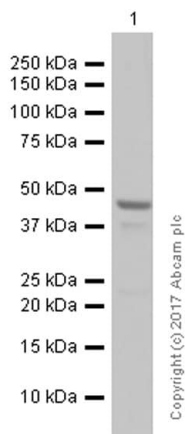
Predicted band size: 46 kDa

Blocking and diluting buffer: 5% NFDm/TBST.



Flow Cytometry (Intracellular) - Anti-COUP TF1 antibody [EPR10841] (ab181137)

Intracellular Flow Cytometry analysis of MCF7 (Human cervix adenocarcinoma epithelial cell) cells labeling COUP TF1 with purified ab181137 at 1/500 dilution (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-COUP TF1 antibody [EPR10841] (ab181137)

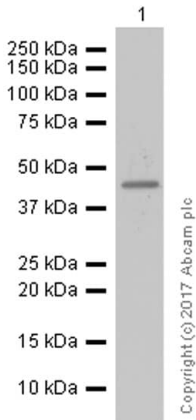
Anti-COUP TF1 antibody [EPR10841] (ab181137) at 1/1000 dilution (purified) + Rat brain lysates at 20 μ g

Secondary

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

Predicted band size: 46 kDa

Blocking and diluting buffer: 5% NFDm/TBST.



Western blot - Anti-COUP TF1 antibody [EPR10841] (ab181137)

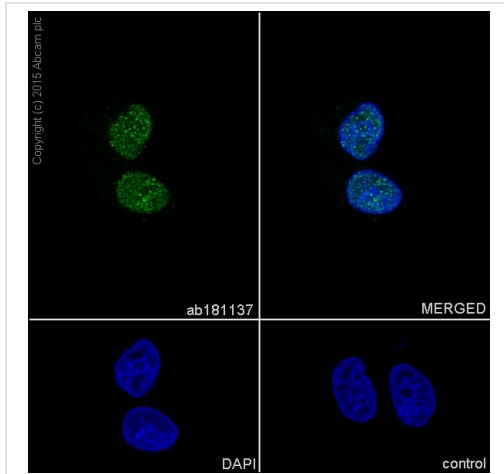
Anti-COUP TF1 antibody [EPR10841] (ab181137) at 1/5000 dilution (purified) + Mouse E12.5 brain lysates at 15 μ g

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 46 kDa

Blocking and diluting buffer: 5% NFDm/TBST

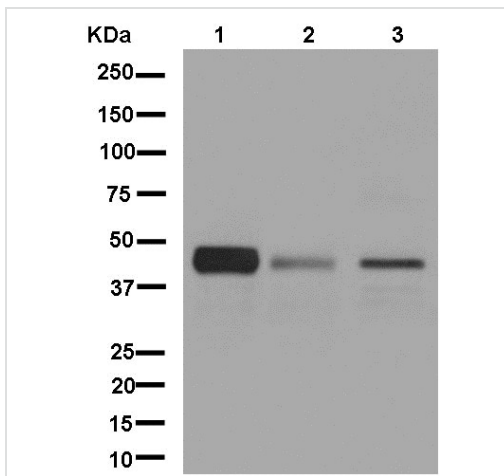


Immunocytochemistry/ Immunofluorescence - Anti-COUP TF1 antibody [EPR10841] (ab181137)

Immunocytochemistry/Immunofluorescence analysis of MCF-7 cells labelling COUP TF1 with unpurified ab181137 at 1/500. Cells were fixed with 4% Paraformaldehyde. **ab150077**, an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody.

Control: PBS only.

Nuclear counter stain: DAPI.



Western blot - Anti-COUP TF1 antibody [EPR10841] (ab181137)

All lanes : Anti-COUP TF1 antibody [EPR10841] (ab181137) at 1/1000 dilution (unpurified)

Lane 1 : Human fetal brain lysate with NFDM/TBST

Lane 2 : Human fetal kidney lysate with NFDM/TBST

Lane 3 : 293 cell lysate with NFDM/TBST

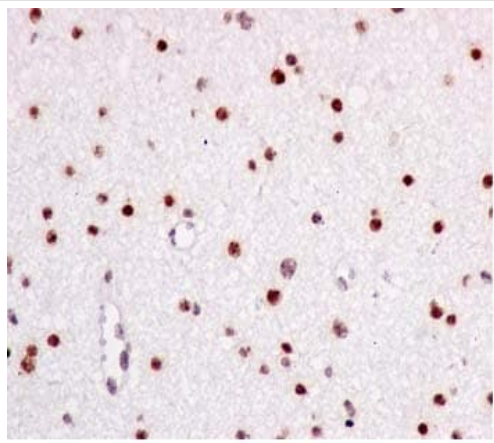
Lysates/proteins at 20 µg per lane.

Blocking peptides at 5 % per lane.

Secondary

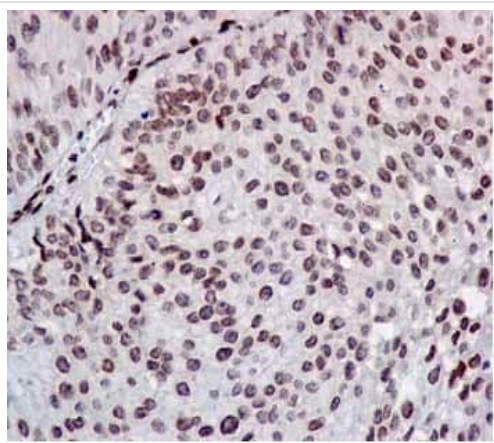
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab136636**) at 1/500 dilution

Predicted band size: 46 kDa



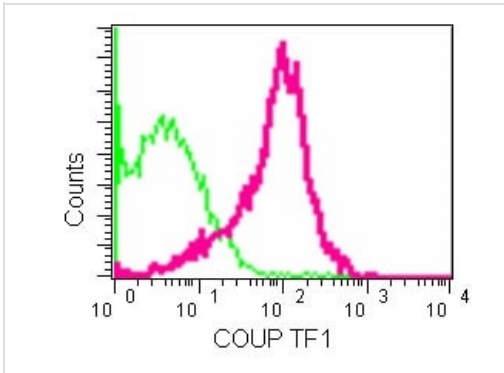
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COUP TF1 antibody [EPR10841] (ab181137)

Immunohistochemical analysis of paraffin-embedded Human glioblastoma staining COUP TF1 using unpurified ab181137 at 1/100. Prediluted HRP Polymer for Rabbit IgG was used as a secondary antibody, and Hematoxylin for counterstaining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COUP TF1 antibody [EPR10841] (ab181137)





Immunohistochemical analysis of paraffin-embedded Human transitional cell carcinoma staining COUP TF1 using unpurified ab181137 at 1/100. Prediluted HRP Polymer for Rabbit IgG was used as a secondary antibody, and Hematoxylin for counterstaining.



Intracellular flow cytometric analysis of COUP TF1 labeling 2% paraformaldehyde fixed 293 cells using unpurified ab181137 at 1/70 dilution (red), compared to a Rabbit monoclonal IgG isotype control (green). Goat anti rabbit IgG (FITC) secondary antibody was used at 1/150 dilution.

Flow Cytometry (Intracellular) - Anti-COUP TF1 antibody [EPR10841] (ab181137)

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-COUP TF1 antibody [EPR10841] (ab181137)

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

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