abcam

Product datasheet

Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free ab224272

Recombinant RabMAb

8 Images

Overview

Product name	Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free
Description	Rabbit monoclonal [EPR10841] to COUP TF1 - BSA and Azide free
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.
General notes	ab224272 is the carrier-free version of **ab181137**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10841
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224272 in the following tested applications.

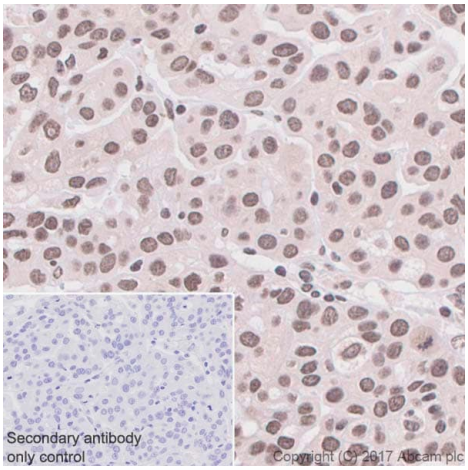
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

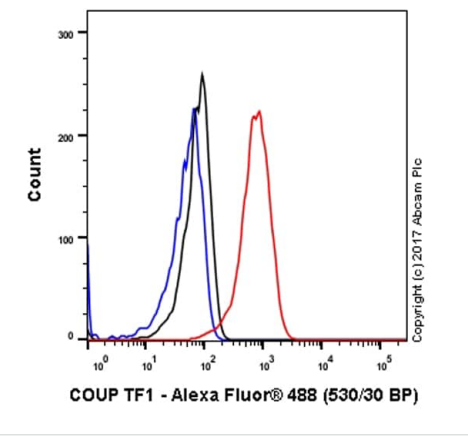
Function	Coup (chicken ovalbumin upstream promoter) transcription factor binds to the ovalbumin promoter and, in conjunction with another protein (S300-II) stimulates initiation of transcription. Binds to both direct repeats and palindromes of the 5'-AGGTCA-3' motif. Represses transcriptional activity of LHCG.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Cellular localization	Nucleus.

Images



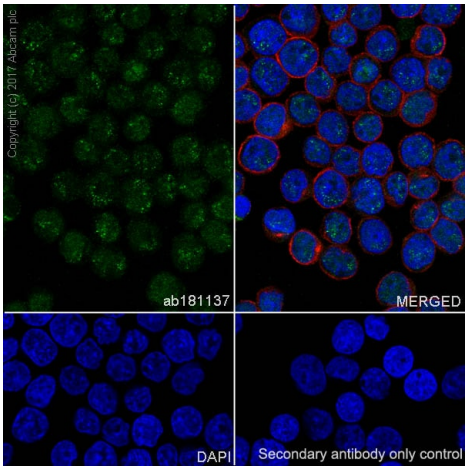
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

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.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181137**).



Flow Cytometry (Intracellular) - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

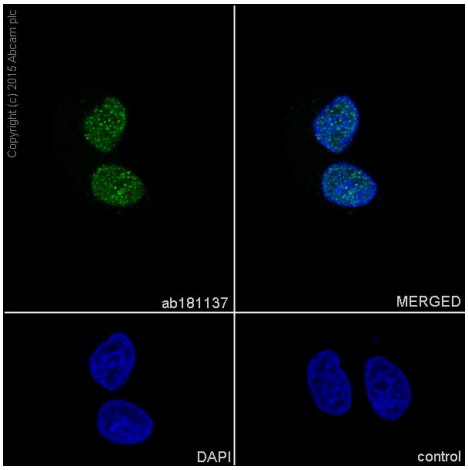
Intracellular Flow Cytometry analysis of MCF7 (Human cervix adenocarcinoma epithelial cell) cells labeling COUP TF1 with purified **ab181137** at 1/500 dilution (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181137**).



Immunocytochemistry/ Immunofluorescence - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

Immunocytochemistry/ Immunofluorescence analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling Coup TF2 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181137**).

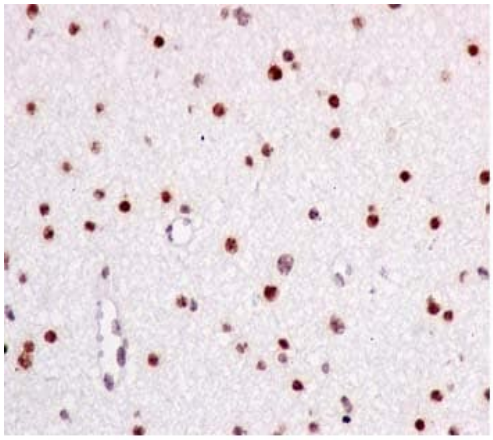


Immunocytochemistry/ Immunofluorescence - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

Immunocytochemistry/Immunofluorescence analysis of MCF-7cells 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.

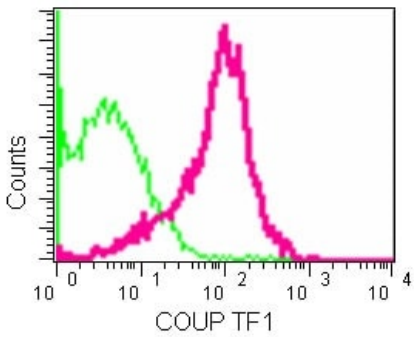
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181137**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

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.

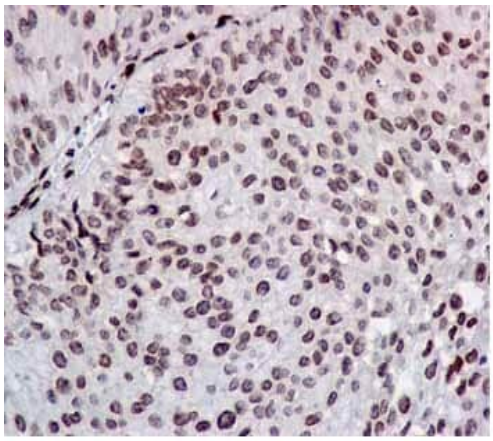
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181137**).



Flow Cytometry (Intracellular) - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

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.

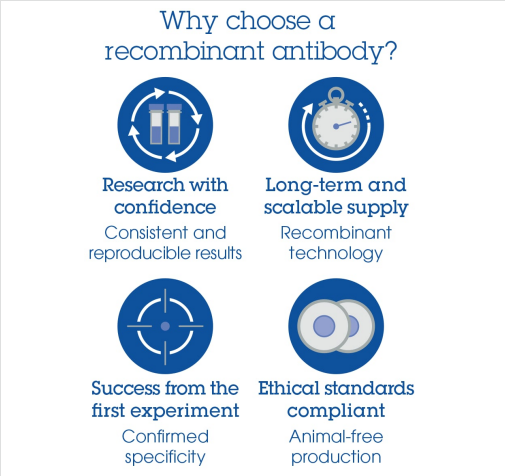
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181137**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

This IHC data was generated using the same anti-COUP TF1 antibody clone [EPR10841] in a different buffer formulation (cat# **ab181137**).

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



Anti-COUP TF1 antibody [EPR10841] - BSA and Azide free (ab224272)

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