


Product datasheet

Anti-DR1 antibody [EPR13122] ab180164

Recombinant **RabMAb**

5 Images

Overview

Product name	Anti-DR1 antibody [EPR13122]
Description	Rabbit monoclonal [EPR13122] to DR1
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment within Human DR1. The exact sequence is proprietary. Database link: Q01658
Positive control	Human ovarian carcinoma and prostate tissues, HeLa, 293T, Jurkat and Human testis lysates.
General notes	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 .

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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR13122

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab180164 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
IP		1/10 - 1/100.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000 - 1/10000. Predicted molecular weight: 19 kDa.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

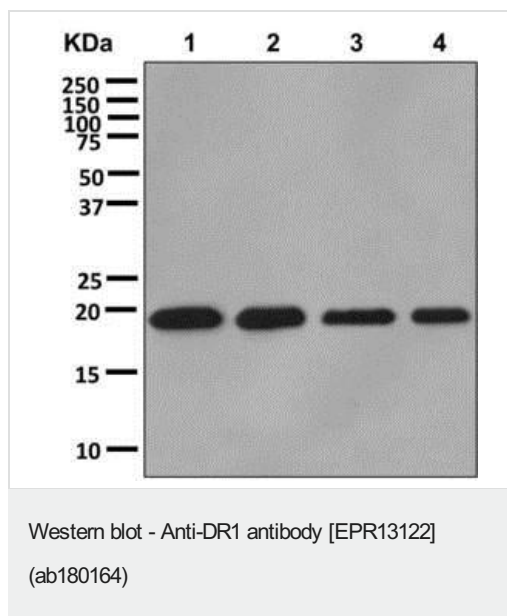
Function The association of the DR1/DRAP1 heterodimer with TBP results in a functional repression of both activated and basal transcription of class II genes. This interaction precludes the formation of a transcription-competent complex by inhibiting the association of TFIIA and/or TFIIIB with TBP. Can bind to DNA on its own. Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4.

Sequence similarities Belongs to the NC2 beta/DR1 family.
Contains 1 histone-fold domain.

Post-translational modifications Phosphorylation regulates its interaction with TBP. Not phosphorylated when bound to DRAP1.

Cellular localization Nucleus.

Images



All lanes : Anti-DR1 antibody [EPR13122] (ab180164) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

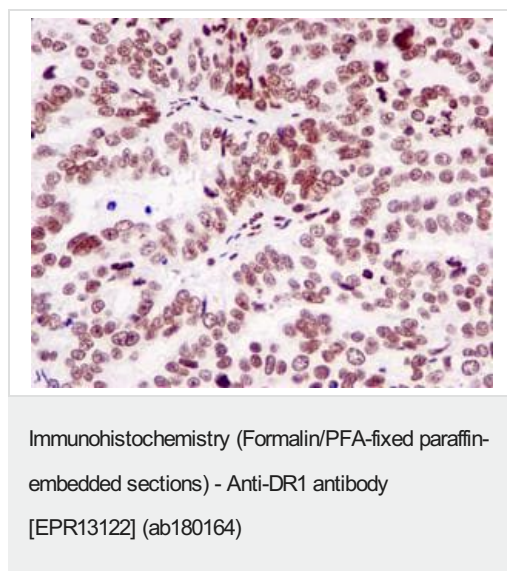
Lane 3 : Jurkat cell lysate

Lane 4 : Human testis tissue lysate

Lysates/proteins at 10 µg per lane.

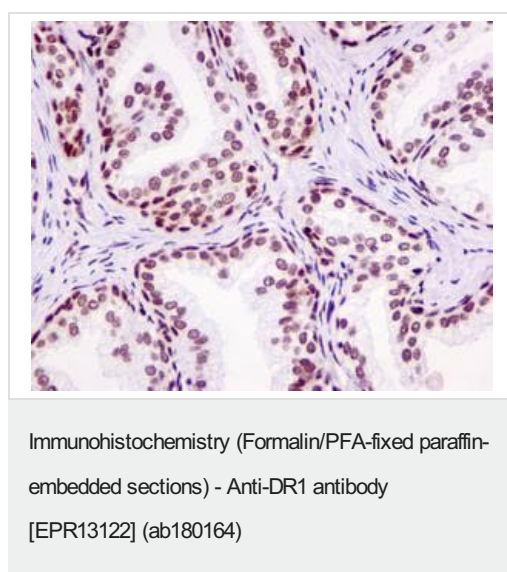
Developed using the ECL technique.

Predicted band size: 19 kDa



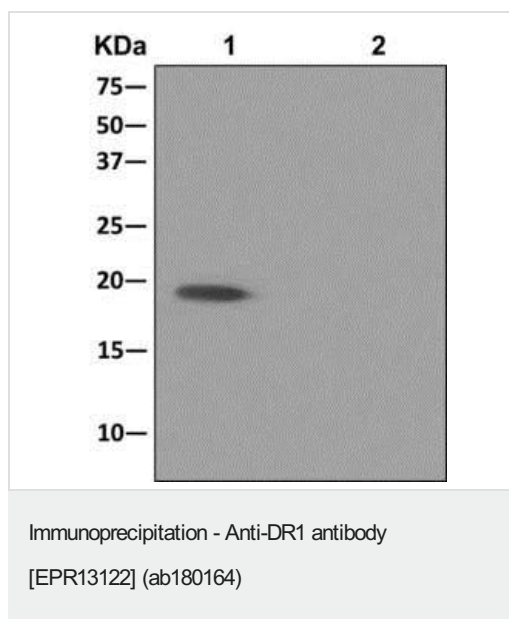
Immunohistochemical analysis of paraffin-embedded Human ovarian carcinoma tissue labeling DR1 using ab180164 at 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin-embedded Human prostate tissue labeling DR1 using ab180164 at 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot analysis on immunoprecipitation pellet from (1) 293T cell lysate or (2) 1X PBS (negative control) pulling down DR1 using ab180164 at 1/10 and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-DR1 antibody [EPR13122] (ab180164)

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

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