



Product datasheet

Anti-DR4 antibody [OT18A12] ab236522

2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-DR4 antibody [OT18A12] |
| Description | Mouse monoclonal [OT18A12] to DR4 |
| Host species | Mouse |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Human |
| Immunogen | <p>Recombinant fragment corresponding to Human DR4 aa 263-468. (NP_003835) produced in E.coli.</p> <p>Sequence:</p> <p>CIGSGCGGDPKCMDRVCFWRLGLLRGPGAEDNAHNEILS NADSLSTFVSE QQMESQEPADLTGVTVQSPGEAQCLLGPAEAEQSRRR LLVPANGADPTE TLMLFFDKANIVPFDSWDQLMRQLDLTKNEIDVVRAGTAG PGDALYAMLM KVVNKTGRNASIHLLDALERMEERHAREKIQDLLVDSGK FYLEDTGS AVSLE</p> <p>Database link: O00220</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p> |
| Positive control | WB: pCMV6-ENTRY DR4 cDNA transfected HEK-293T cell lysate; K562 cell lysate and human uterus tissue lysate. |
| General notes | <p>Clone OT18A12 (formerly 8A12).</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> |

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

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: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA, 50% Glycerol |
| Purity | Affinity purified |
| Purification notes | Purified from cell culture supernatant. |
| Clonality | Monoclonal |
| Clone number | OT18A12 |
| Isotype | IgG1 |

Applications

Our [Abpromise guarantee](#) covers the use of **ab236522** in the following tested applications.

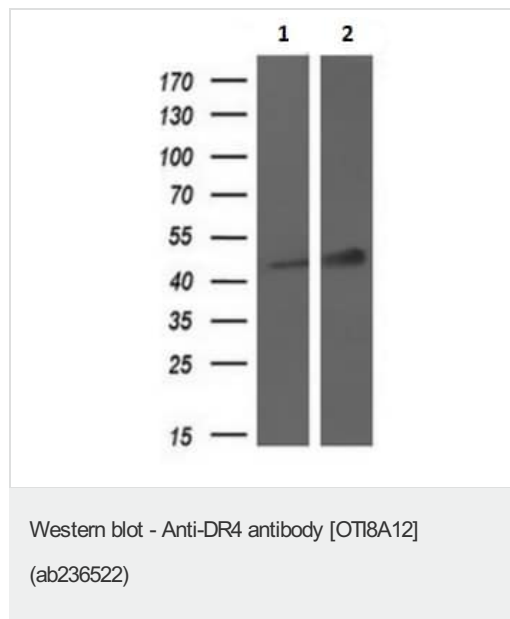
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/200 - 1/2000. Predicted molecular weight: 50 kDa. |

Target

| | |
|------------------------------|---|
| Function | Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. |
| Tissue specificity | Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K562 erythroleukemia cells, MCF7 breast carcinoma cells and activated T-cells. |
| Sequence similarities | Contains 1 death domain. Contains 3 TNFR-Cys repeats. |

Images



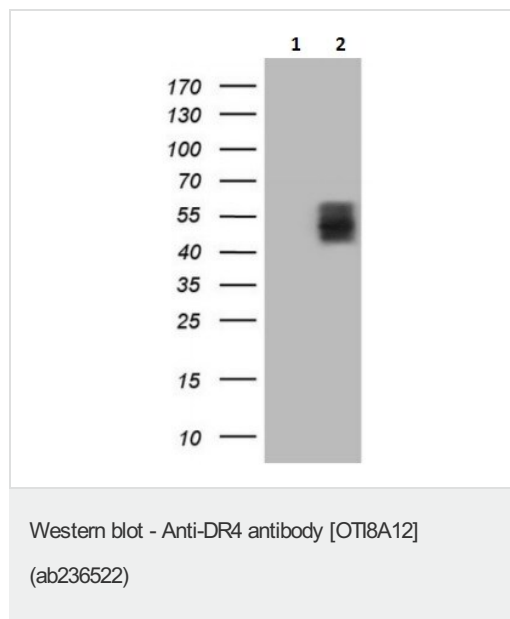
All lanes : Anti-DR4 antibody [OT18A12] (ab236522) at 1/2000 dilution

Lane 1 : K562 (Human chronic myelogenous leukemia cell line from bone marrow) cell lysate

Lane 2 : Human uterus lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 50 kDa



All lanes : Anti-DR4 antibody [OT18A12] (ab236522) at 1/2000 dilution

Lane 1 : pCMV6-ENTRY control cDNA transfected HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

Lane 2 : pCMV6-ENTRY DR4 cDNA transfected HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

Lysates/proteins at 5 µg per lane.

Predicted band size: 50 kDa

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

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- Response to your inquiry within 24 hours
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

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