

Product datasheet

Anti-AKR1C3 antibody ab84327

6 References 3 Images

Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-AKR1C3 antibody   |
| <b>Description</b>         | Rabbit polyclonal to AKR1C3  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IHC-P, ICC/IF   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Cow, Human   |
| <b>Immunogen</b>           | A 15 amino acid peptide corresponding to the C terminal residues of human AKR1C3 (P42330). |
| <b>Positive control</b>    | Human fetal liver lysates; human lung tissue; HeLa cells.                                  |

Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Lyophilised:Reconstitute with 200ul distilled sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary. |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.  |
| <b>Storage buffer</b>       | Preservative: 0.02% Sodium Azide<br>Constituents: 2% BSA  |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab84327** in the following tested applications.

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

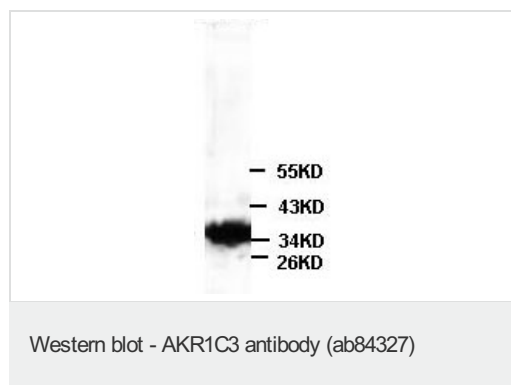
| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | 1/500 - 1/1000. Predicted molecular weight: 36 kDa. |
| IHC-P       |           | 1/100 - 1/500.                                      |
| ICC/IF      |           | 1/50 - 1/200.                                       |

| Application | Abreviews | Notes |
|-------------|-----------|-------|
|-------------|-----------|-------|

## Target

|                              |  |
|------------------------------|--|
| <b>Function</b>              | Catalyzes the conversion of aldehydes and ketones to alcohols. Catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ) and the oxidation of 9-alpha, 11-beta-PGF2 to PGD2. Functions as a bi-directional 3-alpha-, 17-beta- and 20-alpha HSD. Can interconvert active androgens, estrogens and progestins with their cognate inactive metabolites. Preferentially transforms androstenedione (4-dione) to testosterone.                          |
| <b>Tissue specificity</b>    | Expressed in many tissues including adrenal gland, brain, kidney, liver, lung, mammary gland, placenta, small intestine, colon, spleen, prostate and testis. The dominant HSD in prostate and mammary gland. In the prostate, higher levels in epithelial cells than in stromal cells. In the brain, expressed in medulla, spinal cord, frontotemporal lobes, thalamus, subthalamic nuclei and amygdala. Weaker expression in the hippocampus, substantia nigra and caudate. |
| <b>Sequence similarities</b> | Belongs to the aldo/keto reductase family.   |
| <b>Cellular localization</b> | Cytoplasm.   |

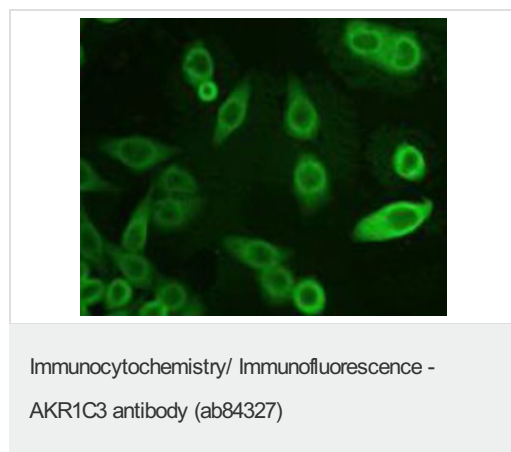
## Images



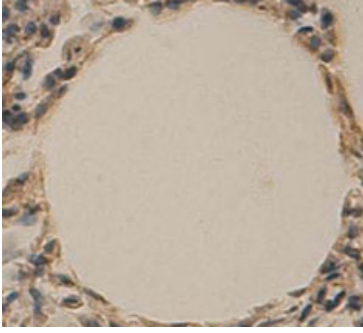
Anti-AKR1C3 antibody (ab84327) at 1/500 dilution + human fetal liver lysate

**Predicted band size :** 36 kDa

**Observed band size :** 36 kDa



ab84327, at a 1/50 dilution, staining AKR1C3 in HeLa cells by Immunofluorescence.



ab84327, at a 1/100 dilution, staining AKR1C3 in formalin fixed, paraffin embedded human lung tissue by Immunohistochemistry. Note cytoplasmic staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - AKR1C3 antibody (ab84327)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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