

Product datasheet

Anti-DDT antibody ab115785

★★★★☆ 2 Abreviews 5 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-DDT antibody |
| Description | Rabbit polyclonal to DDT |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, WB, IHC-P |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide corresponding to a sequence at the C-terminal of Human DDT. |
| Positive control | Human placenta tissue; Rat brain, pancreas, liver and lung tissue lysates. This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HepG2. |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate |
| Purity | Protein A purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab115785** in the following tested applications.

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

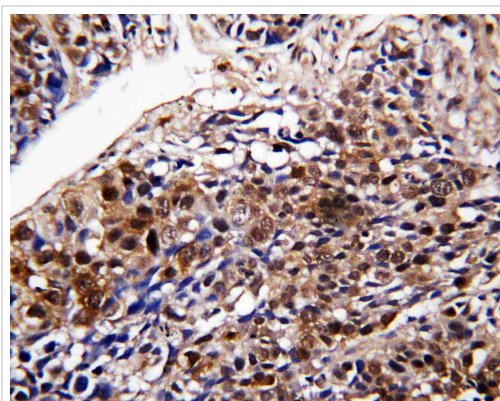
| Application | Abreviews | Notes |
|-------------|-----------|---|
| ICC/IF | | Use a concentration of 10 µg/ml. |
| WB | ★★★★☆ | Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 13 kDa. |

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-P | | Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |

Target

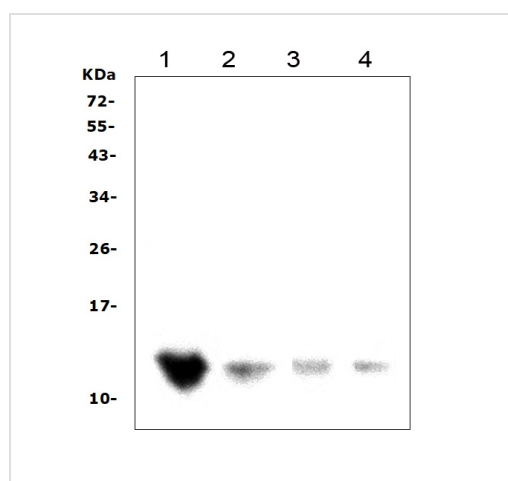
| | |
|------------------------------|---|
| Function | Tautomerization of D-dopachrome with decarboxylation to give 5,6-dihydroxyindole (DHI). |
| Sequence similarities | Belongs to the MIF family. |
| Cellular localization | Cytoplasm. |

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDT antibody (ab115785)

DDT was detected in paraffin-embedded section of human lung cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml ab115785 overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex DAB as the chromogen.



Western blot - Anti-DDT antibody (ab115785)

All lanes : Anti-DDT antibody (ab115785) at 0.5 µg/ml

Lane 1 : rat liver tissues lysate

Lane 2 : rat testis tissues lysate

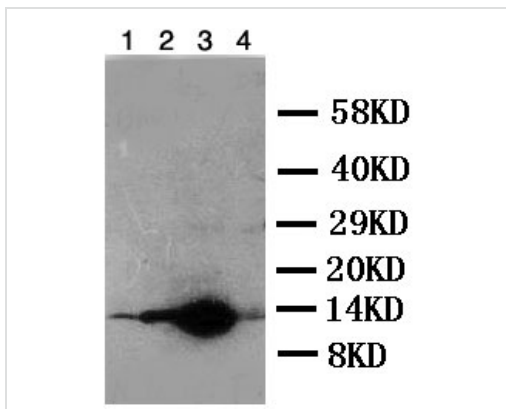
Lanes 3-4 : mouse liver tissues lysate

Lysates/proteins at 50 µg per lane.

Secondary

All lanes : goat anti-rabbit IgG-HRP at 1/10000 dilution

Predicted band size: 13 kDa



Western blot - Anti-DDT antibody (ab115785)

All lanes : Anti-DDT antibody (ab115785) at 1 µg/ml

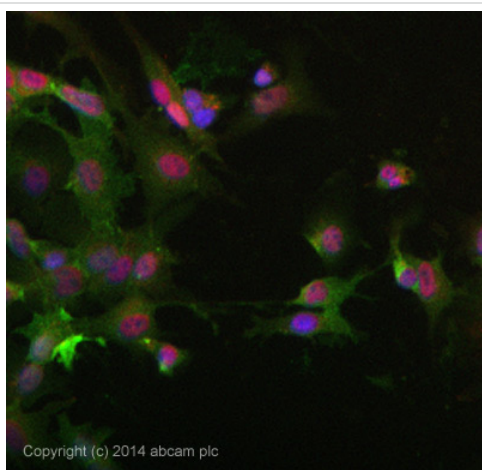
Lane 1 : Rat brain tissue lysate

Lane 2 : Rat pancreas tissue lysate

Lane 3 : Rat liver tissue lysate

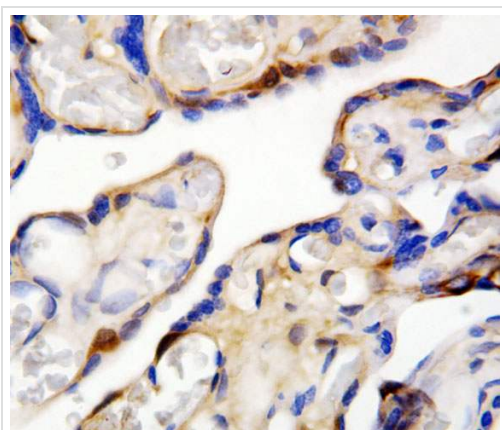
Lane 4 : Rat lung tissue lysate

Predicted band size: 13 kDa



Immunocytochemistry/ Immunofluorescence - Anti-DDT antibody (ab115785)

ICC/IF image of ab115785 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab115785 at 10µg/ml overnight at +4°C. The secondary antibody (pseudo-colored green) was Alexa Fluor® 488 goat anti- rabbit (ab150081) IgG (H+L) preadsorbed, used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200 dilution for 1h at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1hour at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDT antibody (ab115785)

ab115785 at 1µg/ml staining DDT in Paraffin-embedded Human placenta tissue by Immunohistochemistry.

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