Product datasheet

Anti-DDT Antibody

Catalog Number: *A01354*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-DDT Antibody
Gene Name	DDT
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence of human DDT (EFLTKELALGQDRILIRFFPLESWQIGKIGTVMTFL).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	13KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow cytometry (FCM): 1-3 μg/1x10^6 cells (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

DDT, D-dopachrome tautomerization, converts D-dopachrome into 5, 6-dihydroxyindole. Northern blot analysis revealed that DDT was expressed as a 0.6-kb mRNA in all tissues tested, with the strongest expression in liver. The DDT gene in human and mouse is identical in exon structure to the MIF gene. Both genes have 2 introns that are located at equivalent positions, relative to a 2-fold repeat in protein structure.the genes for DDT and MIF are closely linked on human chromosome 22 and mouse chromosome 10.

Selected Validation Data

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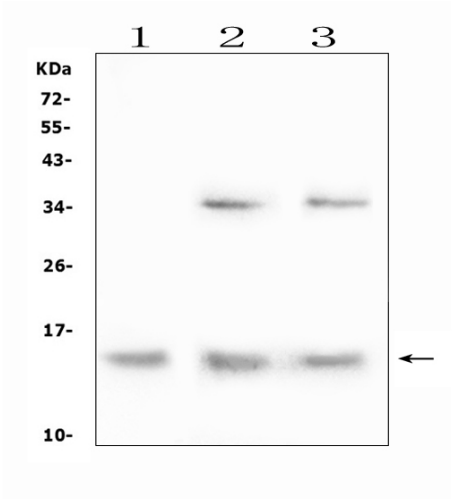

Figure 1. Western blot analysis of DDT using anti-DDT antibody (A01354). Lane 1: human HL-60 whole cell lysate,Lane 2: rat liver tissue lysates,Lane 3: mouse liver tissue lysates. anti-DDT antigen affinity purified polyclonal antibody (Catalog # A01354)probed with a goat anti-rabbit IgG-HRP secondary antibody The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) . A specific band was detected for DDT at approximately 13KD. The expected band size for DDT is at 13KD.

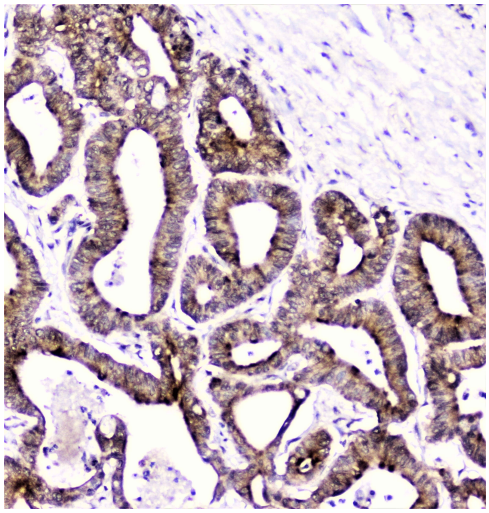

Figure 2. IHC analysis of DDT using anti-DDT antibody (A01354).DDT was detected in paraffin-embedded section of human cholangiocarcinoma tissue. rabbit anti-DDT Antibody (A01354) . Biotinylated goat anti-rabbit IgG was used as secondary antibody . The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

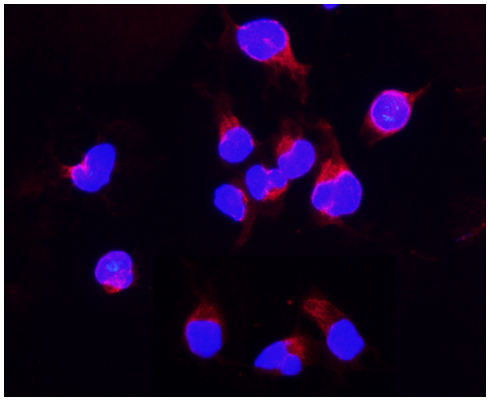

Figure 12. ICC analysis of anti- DDT antibody (A01354).was detected in immunocytochemical section of U2OS cells. Cells were stained using the Dylight594-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog # BA1142) and counterstained with DAPI (blue).

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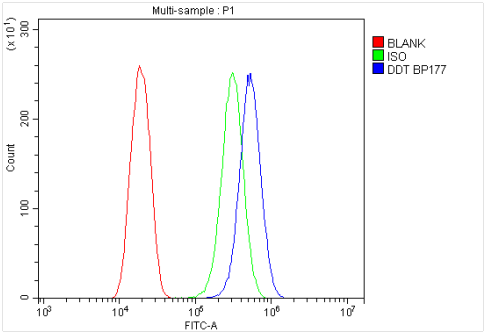

Figure 13. Flow cytometry analysis of U2OS cell(1x106) DyLight488 conjugated goat anti-rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight488. Unlabelled sample (Red line).