

Datasheet for ABIN3043212
anti-DDT antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	DDT
Binding Specificity:	AA 99-118, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for D-dopachrome decarboxylase(DDT) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human DDT(99-118aa RFFPLESWQIGKIGTVMTFL), different from the related mouse and rat sequence by two amino acids.
Sequence:	RFFPLESWQI GKIGTVMTFL
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics: Rabbit IgG polyclonal antibody for D-dopachrome decarboxylase(DDT) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Gene Name: D-dopachrome tautomerase
Protein Name: D-dopachrome decarboxylase

Purification: Immunogen affinity purified.

Target Details

Target: DDT

Alternative Name: DDT ([DDT Products](#))

Background: 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.

Synonyms: D dopachrome decarboxylase antibody|D dopachrome tautomerase antibody|D-dopachrome decarboxylase antibody|D-dopachrome tautomerase antibody|DDCT antibody|Ddt antibody|Phenylpyruvate tautomerase II antibody

UniProt: [P30046](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

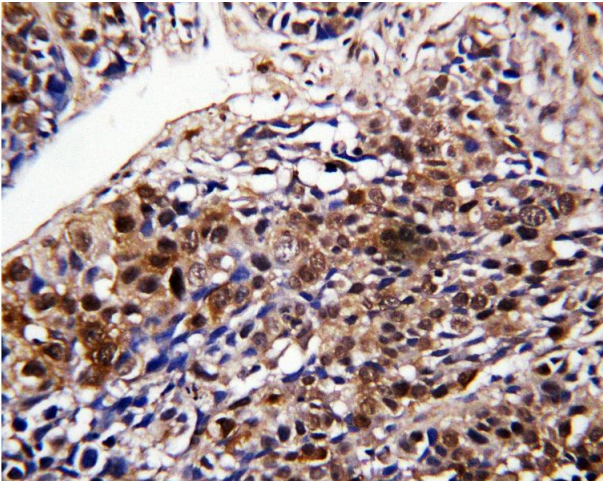
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

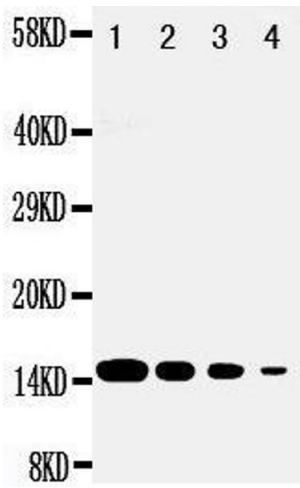
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-DDT antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2.