

Anti-DDT Antibody

Catalog # ABO10769

Product Information

Application	WB, IHC-P
Primary Accession	P30046
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for D-dopachrome decarboxylase(DDT) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1652
Other Names	D-dopachrome decarboxylase, 4.1.1.84, D-dopachrome tautomerase, Phenylpyruvate tautomerase II, DDT
Calculated MW	12712
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Rat, Mouse
Subcellular Localization	Cytoplasm .
Source	Eukaryota
Protein Name	D-dopachrome decarboxylase
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human DDT(99-118aa RFFPLESWQIGKIGTVMFTL), different from the related mouse and rat sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	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.

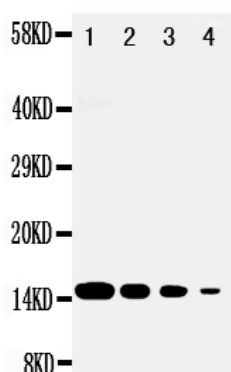
Protein Information

Name	DDT
Function	Tautomerization of D-dopachrome with decarboxylation to give 5,6-dihydroxyindole (DHI).
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in the liver and at lower levels in the heart, lung and pancreas.

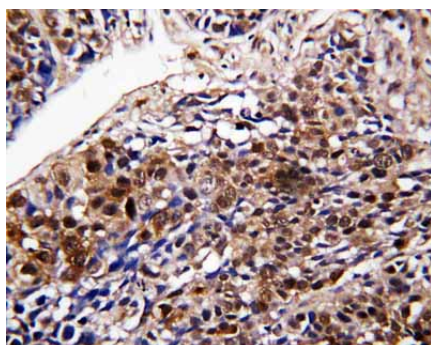
Background

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.

Images



Anti-DDT antibody, ABO10769, Western blotting
Lane 1:
Recombinant Human DDT Protein 10ng Lane 2:
Recombinant Human DDT Protein 5ng Lane 3:
Recombinant Human DDT Protein 2.5ng Lane 4:
Recombinant Human DDT Protein 1.25ng



Anti-DDT antibody, ABO10769, IHC(P)
IHC(P): Human Lung Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.