10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-human DDT Antibody
Catalog # ABO12696

Specification

Anti-human DDT Antibody - Product Information

Application	**WB, IHC-P, ICC, E**
Primary Accession	P30046
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for D-dopachrome decarboxylase(DDT) detection. Tested with WB, IHC-P, ICC, ELISA in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-human DDT Antibody - Additional Information

Gene ID 1652

Other Names
D-dopachrome decarboxylase, 4.1.1.84, D-dopachrome tautomerase, Phenylpyruvate tautomerase II, DDT

Calculated MW
12712 MW KDa

Application Details
ELISA , 0.1-0.5 µg/ml, Human, -
Immunocytochemistry , 0.5-1 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cytoplasm .

Protein Name
D-dopachrome decarboxylase

Contents
Each vial contains 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3. Carrier free (No BSA) form available in stock. If you want this antibody carrier free please specify Carrier Free" or "No BSA" in your order note. "

Immunogen
E. coli-derived human DDT recombinant protein(Position: M1-L118).

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

Anti-human DDT Antibody - 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.

Anti-human DDT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-human DDT Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Figure. Western blot analysis of DDT using anti- DDT antibody (ABO12696). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane: Recombinant Human DDT Protein 0.5ngAfter Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- DDT antigen affinity purified polyclonal antibody (Catalog # ABO12696) at 0.5 Î¼g/mL overnight at 4Â°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DDT at approximately 15KD. The expected band size for DDT is at 15KD.

Anti-human DDT Antibody - 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.