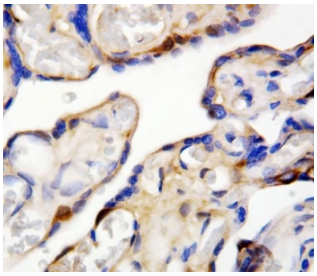
# DDT Antibody / D-dopachrome decarboxylase Antibody (R30113)

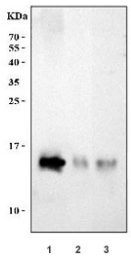
| Catalog No. | Formulation | Size |
|---|---|---|
| R30113 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 0.025% sodium azide |
| **UniProt** | P30046 |
| **Localization** | D-dopachrome decarboxylase |
| **Applications** | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 0.5-1ug/ml<br>ELISA : 0.1-0.5ug/ml (human protein tested) |
| **Limitations** | This DDT Antibody / D-dopachrome decarboxylase Antibody is available for research use only. |



DDT Antibody Placenta IHC. Immunohistochemistry staining of FFPE human placental tissue with DDT / D-dopachrome decarboxylase antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.




Western blot testing of 1) human HCCT, 2) rat liver and 3) mouse liver tissue lysate with DDT antibody. Predicted molecular weight ~13 kDa.

## Description

DDT Antibody detects D-dopachrome decarboxylase, an enzyme that 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.

Visit our DDT Antibody / Macrophage Migration Inhibitory Factor Family Antibody page to explore additional validated antibodies and research tools for investigating DDT expression, MIF family signaling, immune regulation, inflammation, and disease-associated cellular responses.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the DDT Antibody / D-dopachrome decarboxylase Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human DDT recombinant protein (AA 1-118) was used as the immunogen for this DDT antibody.

## Storage

After reconstitution, the DDT antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

## Alternate Names

DDT antibody, MIF-2 antibody, macrophage migration inhibitory factor 2 antibody, D-dopachrome tautomerase antibody, D-dopachrome decarboxylase antibody, MIF family cytokine antibody


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