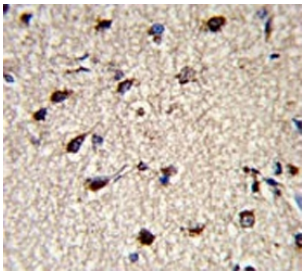
# DPT Antibody / Dermatopontin (F54932)

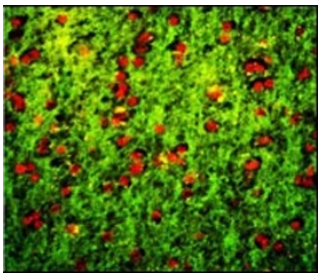
| Catalog No. | Formulation | Size |
|---|---|---|
| F54932-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54932-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

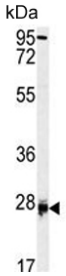
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | Q07507 |
| **Applications** | Immunofluorescence : 1:10-1:50<br>Flow Cytometry : 1:10-1:50 (1x10e6 cells)<br>Immunohistochemistry (FFPE) : 1:50-1:100<br>Western Blot : 1:500-1:1000 |
| **Limitations** | This DPT antibody is available for research use only. |



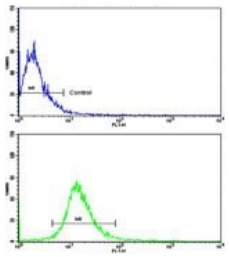
IHC testing of FFPE human brain tissue with DPT antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of FFPE human brain tissue with DPT antibody (green) and propidium iodide (red).




Western blot testing of human HL60 cell lysate with DPT antibody. Expected molecular weight: 22-24 kDa.



Flow cytometry testing of human NCI-H292 cells with DPT antibody; Blue=isotype control, Green= DPT antibody.

## Description

DPT is an extracellular matrix protein with possible functions in cell-matrix interactions and matrix assembly. This protein is found in various tissues and many of its tyrosine residues are sulphated. The protein is postulated to modify the behavior of TGF-beta through interaction with decorin.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the DPT antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 102-128 from the human protein was used as the immunogen for the DPT antibody.

## Storage

Aliquot the DPT antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.