

## DSP Antibody

Catalog No: #36829

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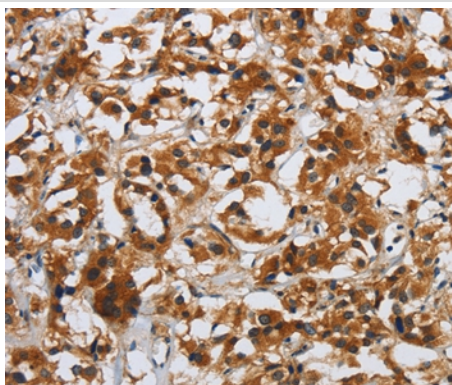
## Description

|                       |   |
|-----------------------|---|
| Product Name          | DSP Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antigen affinity purification.  |
| Applications          | IHC   |
| Species Reactivity    | Hu Ms   |
| Specificity           | The antibody detects endogenous levels of total DSP protein.                                    |
| Immunogen Type        | Peptide   |
| Immunogen Description | Synthetic peptide corresponding to a region derived from internal residues of human desmoplakin |
| Target Name           | DSP   |
| Other Names           | DP; DPI; DPII   |
| Accession No.         | Swiss-Prot#: P15924 NCBI Gene ID: 1832Gene Accssion: NP_004406                                  |
| Uniprot               | P15924  |
| GeneID                | 1832;   |
| Concentration         | 2.5mg/ml  |
| Formulation           | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                                 |
| Storage               | Store at -20°C  |

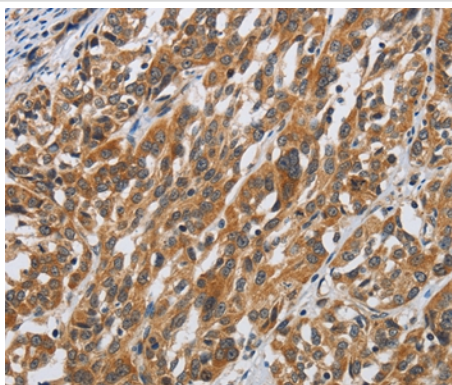
## Application Details

Immunohistochemistry: 1:50-1:200

## Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36829 at dilution 1/40.



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #36829 at dilution 1/40.

## Background

Desmosomes are intercellular junctions that tightly link adjacent cells. Desmoplakin is an obligate component of functional desmosomes that anchors intermediate filaments to desmosomal plaques. The N-terminus of desmoplakin is required for localization to the desmosome and interacts with the N-terminal region of plakophilin 1 and plakoglobin. The C-terminus of desmoplakin binds with intermediate filaments. In the mid-region of desmoplakin, a coiled-coiled rod domain is responsible for homodimerization. Mutations in this gene are the cause of several cardiomyopathies and keratodermas as well as the autoimmune disease paraneoplastic pemphigus.

Note: This product is for in vitro research use only