

Product datasheet for **TA349873**

DCTN1 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 200-1000 WB positive control: 293T cells and human fetal brain tissue IHC: 100-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein of human DCTN1 |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 142 kDa |
| Gene Name: | dynactin subunit 1 |
| Database Link: | NP_075408 Entrez Gene 13191 Mouse Entrez Gene 29167 Rat Entrez Gene 1639 Human Q14203 |



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Background:

This gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. Dynactin is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit interacts with dynein intermediate chain by its domains directly binding to dynein and binds to microtubules via a highly conserved glycine-rich cytoskeleton-associated protein (CAP-Gly) domain in its N-terminus. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.

Synonyms:

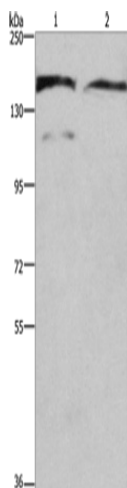
DAP-150; DP-150; P135

Protein Families:

Druggable Genome

Protein Pathways:

Huntington's disease

Product images:

Gel: 6%SDS-PAGE

Lysate: 40 µg

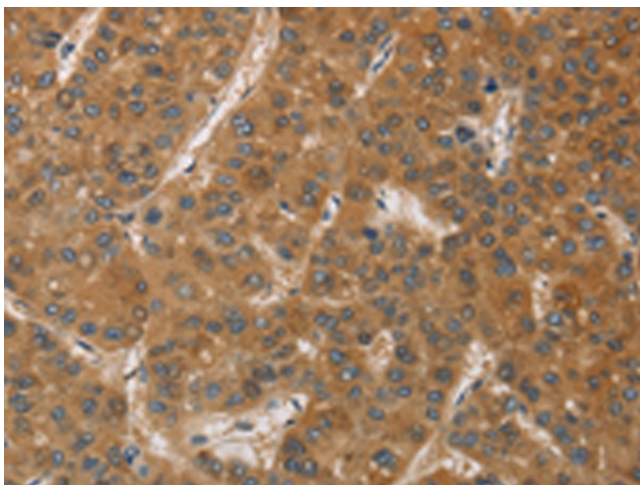
Lane 1-2: 293T cells

human fetal brain tissue

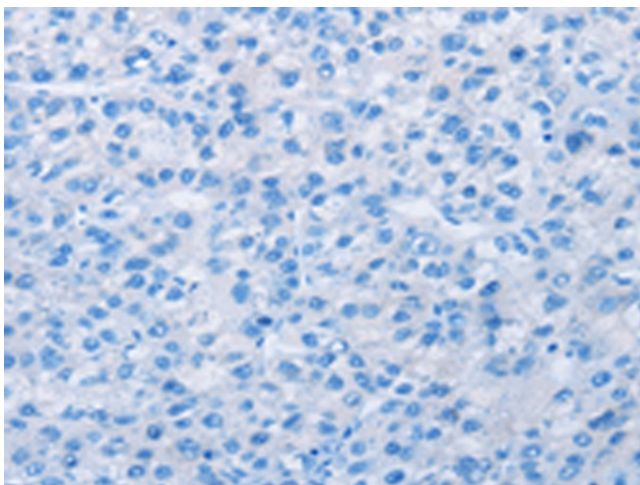
Primary antibody: TA349873 (DCTN1 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

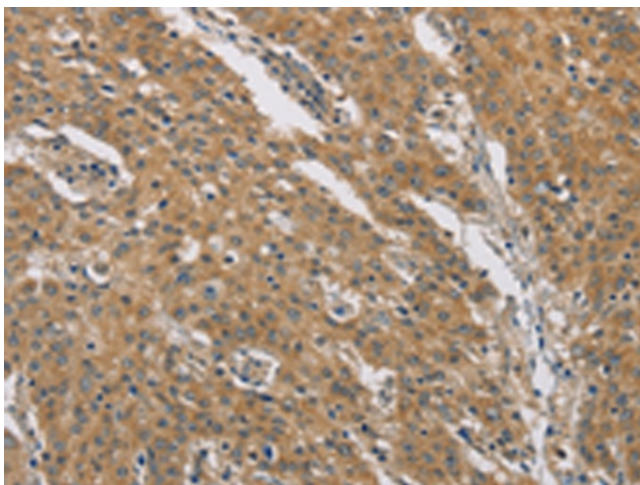
Exposure time: 20 seconds



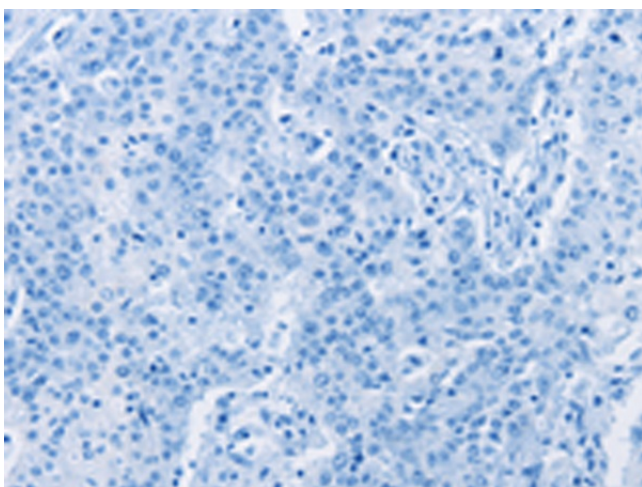
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349873 (DCTN1 Antibody) at dilution 1/60 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349873 (DCTN1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA349873 (DCTN1 Antibody) at dilution 1/60 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA349873 (DCTN1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)