

Product datasheet for **AP54899SU-N**

GI Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/500-1/5000. Immunohistochemistry: 1/100-1/500.
Reactivity:	Drosophila
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from N-terminal domain of the Drosophila melanogaster DCTN1 protein.
Specificity:	This antibody reacts with 141 kDa DAP-150 from Drosophila melanogaster.
Formulation:	State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch. Powered by
Database Link:	P13496



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Background:

The DCTN1 gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It 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. Alternative splicing of this gene results in at least 2 functionally distinct isoforms: a ubiquitously expressed one and a brain-specific one. Based on its cytogenetic location, this gene is considered as a candidate gene for limb-girdle muscular dystrophy.