

## Product datasheet for **AP54900SU-N**

### Dctn3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/200-1/2000. <b>Immunohistochemistry:</b> 1/50-1/500.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from an internal domain of Mouse DCTN3
Specificity:	Reacts with Mouse 21 kDa Dctn3 protein.
Formulation:	State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dynactin 3
Database Link:	<a href="#">Entrez Gene 53598 Mouse Q9Z0Y1</a>



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**Background:**

This gene encodes the smallest 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. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, cytokinesis, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like most other dynactin subunits, exists only as a part of the dynactin complex. It is primarily an alpha-helical protein with very little coiled coil, and binds directly to the largest subunit (p150) of dynactin. Alternative splicing of this gene generates 2 transcript variants. Transcript Variant: This variant contains an additional 97 nt within the 3' coding region, as compared to variant 1 resulting in a frame-shift. Isoform 2 encoded by this variant has a different, and 10 aa shorter C-terminus than isoform 1.

**Synonyms:**

DCTN-22; DCTN22; MGC111190; p22