

**Research Use Only. Not for  
diagnostic or therapeutic use.**

Storage: For long-term storage  
keep aliquots at -20°C. (Store no  
longer than 12 months at 4°C).  
Minimize freezing and thawing.

## EB05639 - Goat Anti-Dynactin Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** p150, Glued homolog, dynactin 1, OTTHUMP00000202491, HMN7B, dynactin 1 (p150, Glued (Drosophila) homolog), 150 kDa dynein-associated polypeptide, p150, Glued (Drosophila) homolog, p150-glued, DAP-150, DP-150, P135, dynactin 1 (p150, glued homolog, Drosophila), DCTN1

**Official Symbol:** DCTN1

**Accession Number(s):** NP\_004073.2; NP\_075408.1; NP\_001128512.1;  
NP\_001128513.1

**Human GeneID(s):** [1639](#)

**Non-Human GeneID(s):** 13191 (mouse)

**Important Comments:** This antibody is expected to recognise all reported isoforms (NP\_004073.2; NP\_075408.1; NP\_001128512.1; NP\_001128513.1).

### Immunogen

Peptide with sequence C-QEQLHQLHSRLIS, from the C Terminus of the protein sequence according to NP\_004073.2; NP\_075408.1; NP\_001128512.1; NP\_001128513.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 150kDa band observed in cell line A549 and in Human Testis lysates (calculated MW of 142kDa according to NP\_004073.2). Recommended for use at 0.5-2µg/ml.

**IHC:** In paraffin embedded Human Cerebellum shows pixulate staining of cytoplasm in neuronal cells. In paraffin embedded Human Testis shows cytoplasm staining in cells of the seminiferous tubules. Recommended concentration, 2-4µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

### Specific References

The goat polyclonal antibody used in this paper was manufactured by us:

Bupha-Intr T, Haizlip KM, Janssen PM.

Temporal changes in expression of connexin 43 after load-induced hypertrophy in vitro.

Am J Physiol Heart Circ Physiol. 2009 Mar;296(3):H806-14.

**PMID:** 19136602

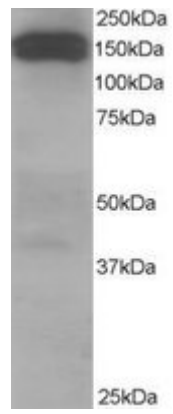
The goat polyclonal antibody used in this paper was manufactured by us:

Magnani E, Fan J, Gasparini L, Golding M, Williams M, Schiavo G, Goedert M, Amos LA, Spillantini MG.

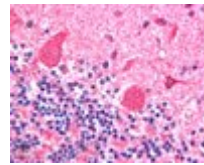
Interaction of tau protein with the dynactin complex.

EMBO J. 2007 Oct 31;26(21):4546-54.

**PMID:** 17932487



EB05639 staining (1 $\mu$ g/ml) of Human Testis lysate (RIPA buffer, 35 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



EB05639 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.