

**# CG005(CLG)****Product Name** Hu antibody (16A11)**Product type** Primary antibody**Description** Mouse monoclonal to neuronal specific Hu or Elav proteins**Target protein** Hu proteins HuD, HuC and Hel-N1**Immunogen** synthetic peptide conserved in HuD HuC and Hel-I-N1.**Specificity - specific to neurons that express either HuD HuC or HEI-N1** – reacts with human rat mouse and Zebra fish Hu proteins**Raised in** mouse**Clonality** monoclonal**Isotype** , IgG2b**Purity** purified antibody**Storage buffer** PBS/0.05% Sodium Azide**Form** Liquid**Tested applications**

Western blot,  
Immunohistochemistry (Formalin-fixed paraffin-embedded sections),  
Immunohistochemistry (Frozen Sections)

**Application notes** (see key)

IHC: Use at 0.1 to 1.0 ug/mL with HRP detection systems.

IHC-P: Use at 0.1 to 1.0 ug/mL . Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol (13min in 10mM citrate buffer pH6 followed by rapid cooling on ice).

IHC-Fr: : Use at 0.1 to 1.0 ug/.

WB: Use at a dilution of 1ug/mL in 1x BLOTTO or 3% BSA in PBS (with ECL or ECI plus)

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

**Positive control** Detects 10ng of recombinant HuD (using ECL or ECL Plus) in under one minute of exposure to film.

**Relevance** Excellent in western blots and paraffin embedded brain sections

## References

**This product has been used in:**

Hu neuronal proteins are expressed in proliferating neurogenic cells.

**J Neurobiol.** 1994 25,143-55.

Evidence of very early neuronal migration from the olfactory placode of the chick embryo.

**Neuroscience.** 2001 107,191-7.

Neuronal differentiation from postmitotic precursors in the ciliary ganglion.

**Dev Biol.** 2002 252,312-23.

HuC/D confocal imaging points to olfactory migratory cells as the first cell population that expresses a post-mitotic neuronal phenotype in the chick embryo.

**Neuroscience.** 2003 122:123-8.

Quantification of neurons in the myenteric plexus: an evaluation of putative pan-neuronal markers.

**J Neurosci Methods.** 2004 133, 99-107.

Embryonic lethal abnormal vision-like RNA-binding proteins regulate neurite outgrowth and tau expression in PC12 cells.

**J Neurosci.** 1999 19,6907-17.

Hematopoietic progenitors express neural genes.

**Proc Natl Acad Sci U S A.** 2003 100,14926-31.