

## 34-1088: Polyclonal Antibody to Neuron Specific Enolase

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Rat, Mouse
<b>Gene :</b>	ENO2
<b>Gene ID :</b>	2026
<b>Uniprot ID :</b>	P09104
<b>Format :</b>	Sera
<b>Alternative Name :</b>	2-phospho-D-glycerate hydro-lyase,Enolase 2,Neural enolase,NSE,Neuron-specific enolase
<b>Isotype :</b>	Rabbit, IgG
<b>Immunogen Information :</b>	Recombinant full length human NSE purified from E. coli

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of serum
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB: 1:2,000. IF/ICC: 1:500.

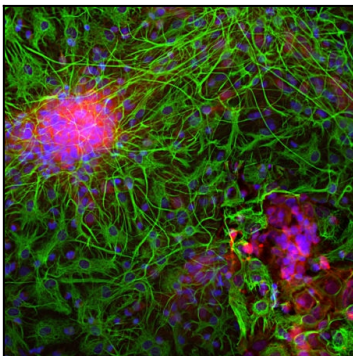


Figure-1: Immunofluorescent analysis of mixed cortical neuron-glia cell culture from E20 rat stained with rabbit pAb to neuron specific enolase (NSE),(34-1088), dilution 1:500 in red, and costained with chicken pAb to GFAP,(34-1046), dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. the NSE antibody labels protein expressed in neuronal cells, while the GFAP antibody stains intermediate filaments in astrocytic and certain other glial cells.

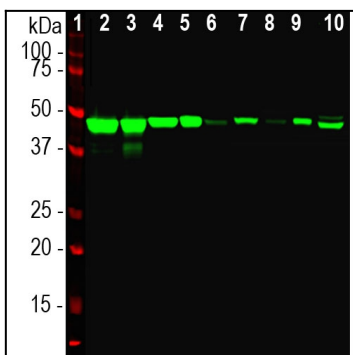


Figure-2: Western blot analysis of different tissue and cell lysates using rabbit pAb to neuron specific enolase (NSE),(34-1088), dilution 1:5,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] NIH-3T3, [7] HEK293, [8] HeLa, [9] SH-SY5Y, and [10] C6 cells. A single band at about 47kDa corresponds to the NSE protein, seen only in extracts containing neurons or neuronal lineage cells.