

**AP55826PU-S****Polyclonal Antibody to NEUROD1 pSer274 - Aff - Purified**

<b>Alternate names:</b>	NEUROD, NEUROD1, Neurogenic differentiation factor 1
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	NeuroD Acts as a differentiation factor during neurogenesis. Transcriptional activator. Binds to the insulin gene E-box.
<b>Uniprot ID:</b>	<a href="#">Q13562</a>
<b>NCBI:</b>	<a href="#">NP_002491.2</a>
<b>GeneID:</b>	<a href="#">4760</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Peptide sequence around phosphorylation site of Serine 274(P-L-S(p)-P-P) derived from Human Neuro D (KLH-conjugated)
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Affinity chromatography using epitope-specific peptide <b>Buffer System:</b> Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
<b>Applications:</b>	Western blot: 1:500~1:1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	36 kDa
<b>Specificity:</b>	The antibody detects endogenous levels of Neuro D only when phosphorylated at serine 274.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse, Rat
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Tamimi R, Steingrimsson E, Copeland NG, Dyer-Montgomery K, Lee JE, Hernandez R, et al. The NEUROD gene maps to human chromosome 2q32 and mouse chromosome 2. Genomics. 1996 Jun 15;34(3):418-21. PubMed PMID: 8786144. 2. Yokoyama M, Nishi Y, Miyamoto Y, Nakamura M, Akiyama K, Matsubara K, et al. Molecular cloning of a human neuroD from a neuroblastoma cell line specifically expressed in the fetal brain and adult cerebellum. Brain Res Mol Brain Res. 1996 Nov;42(1):135-9. PubMed PMID: 8915591. 3. Miyachi T, Maruyama H, Kitamura T, Nakamura S, Kawakami H. Structure and regulation of the human NeuroD (BETA2/BHF1) gene. Brain Res Mol Brain Res. 1999 Jun 8;69(2):223-31. PubMed PMID: 10366743.

**Pictures:**

Western blot analysis of extracts from HeLa cells treated with UV using Neuro D (Phospho-Ser274) Antibody AP55826PU-N. The lane on the right is treated with the antigen-specific peptide.

