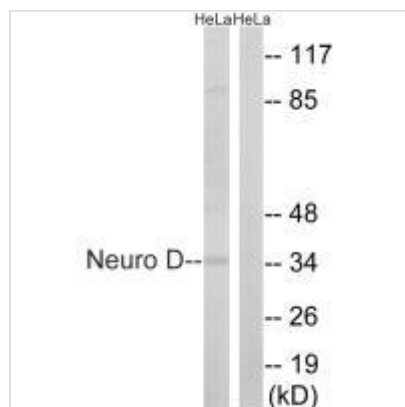




NEUROD1 (Ab-274) Antibody

Product Code	CSB-PA054941
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q13562
Immunogen	Synthesized non-phosphopeptide derived from Human Neuro D around the phosphorylation site of serine 272 (P-L-S(p)-P-P-).
Raised In	Rabbit
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous levels of total Neuro D protein.
Tested Applications	ELISA, WB; WB: 1:500-1:3000
Relevance	Acts as a transcriptional activator: mediates transcriptional activation by binding to E box-containing promoter consensus core sequences 5'-CANNTG-3'. Associates with the p300/CBP transcription coactivator complex to stimulate transcription of the secretin gene as well as the gene encoding the cyclin-dependent kinase inhibitor CDKN1A. Contributes to the regulation of several cell differentiation pathways, like those that promote the formation of early retinal ganglion cells, inner ear sensory neurons, granule cells forming either the cerebellum or the dentate gyrus cell layer of the hippocampus, endocrine islet cells of the pancreas and enteroendocrine cells of the small intestine. Together with PAX6 or SIX3, is required for the regulation of amacrine cell fate specification. Also required for dendrite morphogenesis and maintenance in the cerebellar cortex. Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis By similarity. Tamimi R., Genomics 34:418-421(1996). Yokoyama M., Brain Res. Mol. Brain Res. 42:135-139(1996). Miyachi T., Brain Res. Mol. Brain Res. 69:223-231(1999)
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Neurogenic differentiation factor 1; NEUROD1; NEUROD;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	NEUROD1
Image	



Western blot analysis of extracts from HeLa cells, using Neuro D (Ab-274) antibody.