Product datasheet for AP31812PU-N

NeuN (RBFOX3) Chicken Polyclonal Antibody

Product data:

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Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	**Immunocytochemistry.** **Immunohistochemistry.** *Recommended Dilutions:* 1/1000-1/2000 for Immunohistochemistry and Immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells.
Reactivity:	Human, Mouse
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	Synthetic peptide KLH conjugated corresponding to the Fox-3 gene product (also known as the Neu-N antigen), but was shared between the Human (NP_001076044) and Mouse (NP_001020102) sequences. **Production:** After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, the concentrations of the eluate adjusted to 0.1 mg/ml, and the preparation filter-sterilized
Specificity:	Recognizes Neu-N antigen (also known as Fox-3).
Formulation:	10mM PBS, pH 7.2 containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified (filter sterilized) IgY fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography using a peptide column.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted in the dark at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	RNA binding protein, fox-1 homolog 3

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Database Link:	[Entrez Gene 52897 Mouse](Entrez Gene 146713 Human) Entrez Gene 146713 Human [A6NFN3](A6NFN3)
Background:	Human Neu-N (Fox3) is a 33,873 dalton (312 amino acid) RNA-binding protein. This protein is found in the nuclei of virtually all post-mitotic central and peripheral neurons, and has been used extensively as a general neuronal marker. In these studies, Neu-N (Fox 3) stains neuronal nuclei relatively uniformly, except in the region of the nucleolus, providing a distinctive donut (i.e., torus) shape. Since this antigen is not seen in the cytoplasm, it offers the advantage of being useful in co-immunostaining studies with rabbit and Mouse antibodies against various cytoplasmic neuronal antigens.
Synonyms:	Fox-1 homolog C, FOX3

Product images:
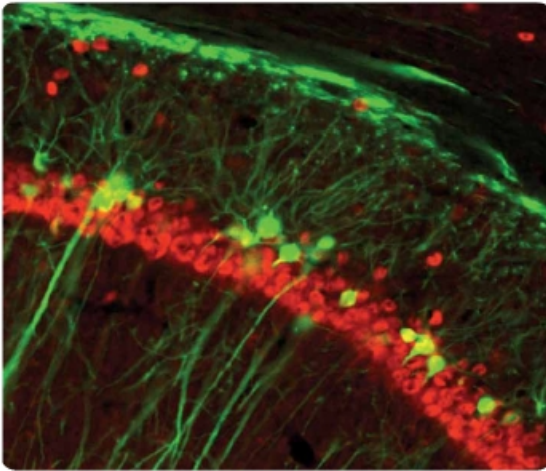
CA1 region of a transgenic Mouse expressing the eGFP gene product under control of the Thy-1 promoter. Green is eGFP autofluorescence. Red is Cy-3 secondary antibody labeling Chicken anti-Neu-N (Fox-3) positive neuronal nuclei. Picture courtesy of Dr. Felix Eckenstein, University of Vermont.