

Product Datasheet

NeuroD1 Antibody (N-term) (orb33616)

Catalog Number	orb33616
Category	Antibodies
Description	Purified rabbit polyclonal antibody.
Target	NEUROD1
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Immunogen	Synthetic Peptide
UniProt ID	Q13562
MW	39920
Tested applications	IF, IHC-P, WB
Dilution range	WB: 1:1000, IF/ICC: 1:100, IHC-P: 1:50-100
Antibody Type	Primary Antibody
Clone Number	RB02901

Biorbyt Ltd.

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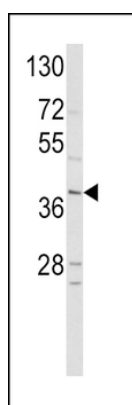
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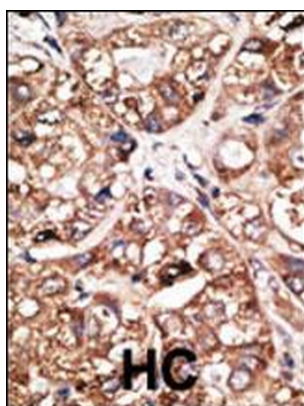
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Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_002491.2
Expiration Date	12 months from date of receipt.



Western blot analysis of hNeuroD1-Q30 in HepG2 cell line lysates (35 ug/lane). NEUROD1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

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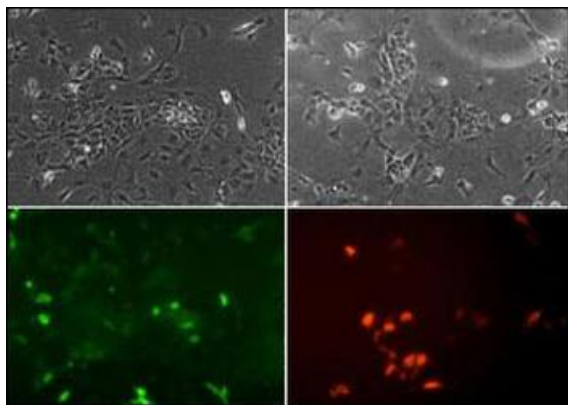
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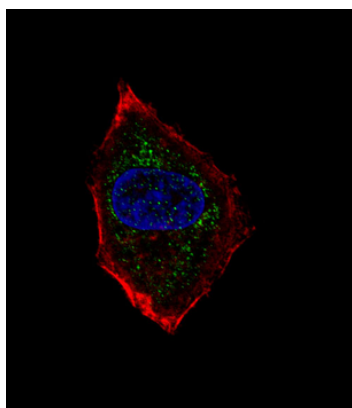
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ES cells were transiently transfected with flag-tagged mouse NeuroD1 (tagged on N-term). Fixed 24h post transfection. Stained for flag tag (red) to check that some cells express protein. Most protein was in nucleus but some was cytoplasmic. Stained with NeuroD1 N-term antibodies at 1:100. NeuroD1 N-term antibody showed strong and clear staining with similar pattern to the flag staining.



Fluorescent confocal image of HepG2 cell stained with hNeuroD1-Q30. HepG2 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with hNeuroD1-Q30 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). hNeuroD1-Q30 immunoreactivity is localized to vesicles significantly.

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