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Product datasheet for TA324696

NEUROD1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IF: 1:100, IHC: 1:50~100
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This NeuroD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-45 amino acids from the N-terminal region of human NeuroD1.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39920 Da
Gene Name:	neuronal differentiation 1
Database Link:	NP_002491 Entrez Gene 4760 Human Q13562
Synonyms:	BETA2; BHF-1; bHLHa3; MODY6; NEUROD
Protein Families:	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young

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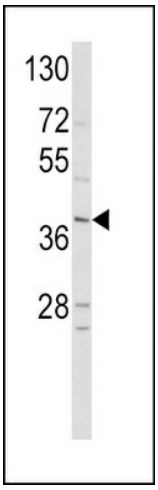
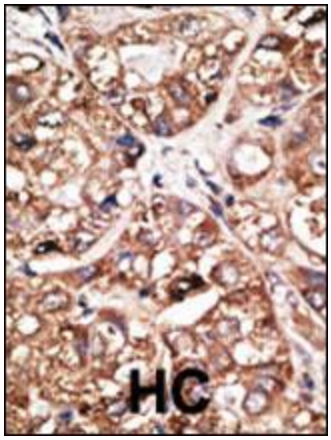
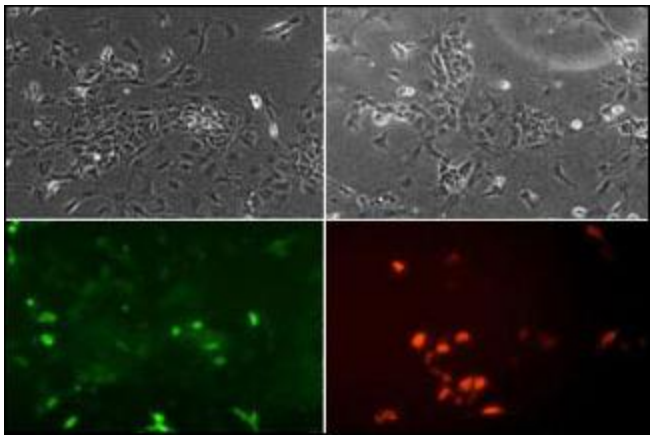
Product images:



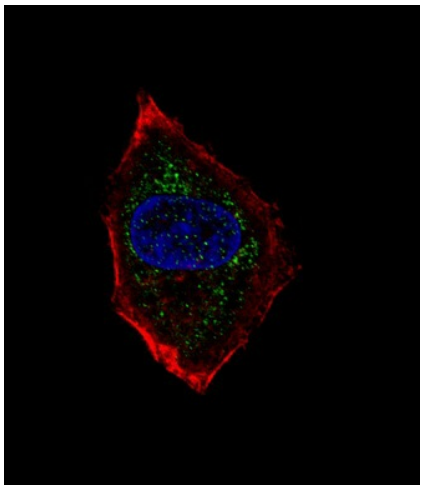
Western blot analysis of hNeuroD1-Q30 (Cat. #TA324696) in HepG2 cell line lysates (35ug/lane). NEUROD1 (arrow) was detected using the purified Pab.



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.



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. (Supplied by Sally Lowell, Edinburgh University)



IF image of HepG2 cell stained with hNeuroD1-Q30 (Cat#TA324696). HepG2 cells were 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).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml). Nuclei were counterstained with DAPI (blue).hNeuroD1-Q30 immunoreactivity is localized to vesicles significantly.