

Product datasheet for **CF500348**

Neurogenin 1 (NEUROG1) Mouse Monoclonal Antibody [Clone ID: OTI8G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8G8
Applications:	IF, IP, WB
Recommended Dilution:	WB 1:500~1000, IF 1:50, IP 2-4ug/mg
Reactivity:	Human, Dog, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NEUROG1 (NP_006152) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25.7 kDa
Gene Name:	Homo sapiens neurogenin 1 (NEUROG1), mRNA.
Database Link:	NP_006152 Entrez Gene 18014 Mouse Entrez Gene 29410 Rat Entrez Gene 481516 Dog Entrez Gene 4762 Human Q92886
Background:	The protein encoded by neurog1 appears to mediate neuronal differentiation .

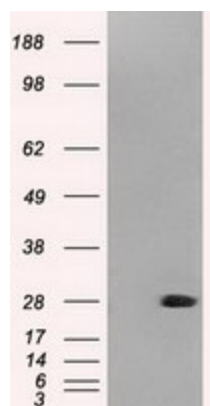


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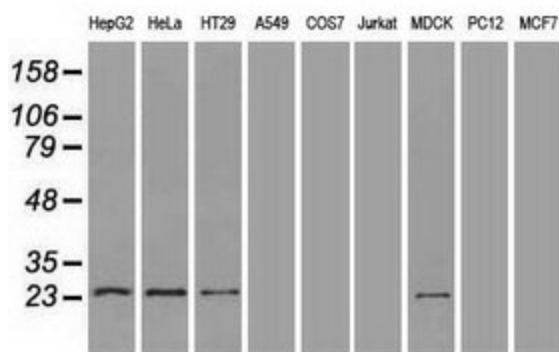
Synonyms: AKA; bHLHa6; Math4C; NEUROD3; ngn1

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

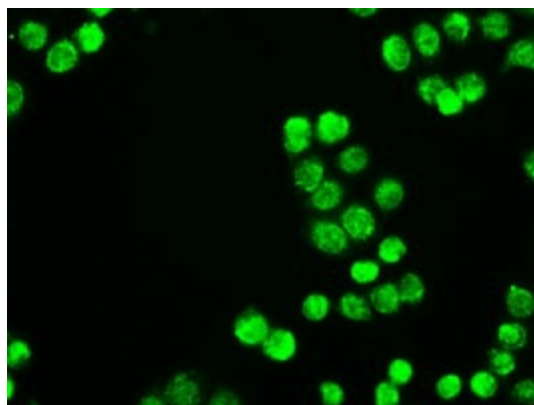
Product images:



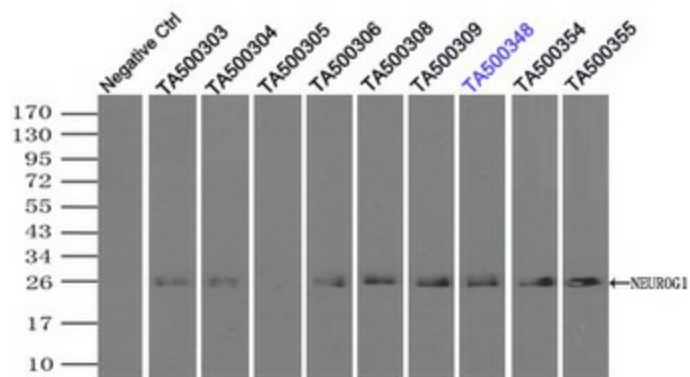
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NEUROG1 ([RC207029], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NEUROG1. Positive lysates [LY401855] (100ug) and [LC401855] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NEUROG1 monoclonal antibody.



Immunofluorescent staining of HT29 cells using anti-NEUROG1 mouse monoclonal antibody ([TA500348]).



Immunoprecipitation of NEUROG1 by using TrueMab monoclonal anti-NEUROG1 antibody (Negative control: IP without adding anti-NEUROG1 antibody.). For each experiment, 500ul of DDK tagged NEUROG1 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-NEUROG1 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immunoprecipitated products were analyzed with rabbit anti-DDK polyclonal antibody.