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Product datasheet for CF500305

Neurogenin 1 (NEUROG1) Mouse Monoclonal Antibody [Clone ID: OTI3F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F9
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 1:500~1000, IHC 1:50, IF 1:100, IP 2-4ug/ml
Reactivity:	Human, 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:	neurogenin 1
Database Link:	NP_006152 Entrez Gene 18014 MouseEntrez Gene 29410 RatEntrez Gene 4762 Human Q92886
Synonyms:	AKA; bHLHa6; Math4C; NEUROD3; ngn1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

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Product images:

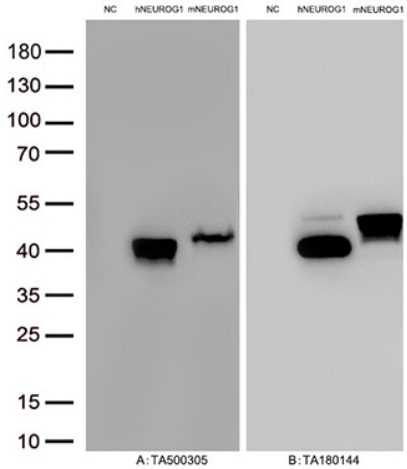
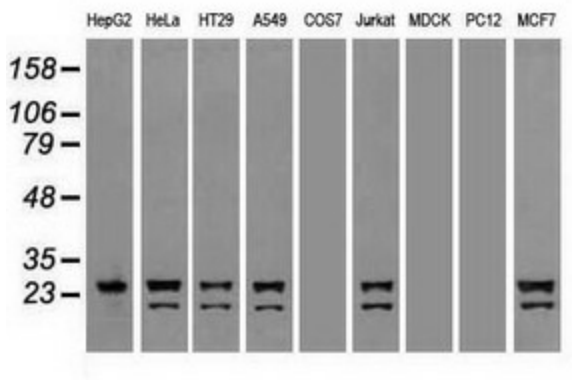
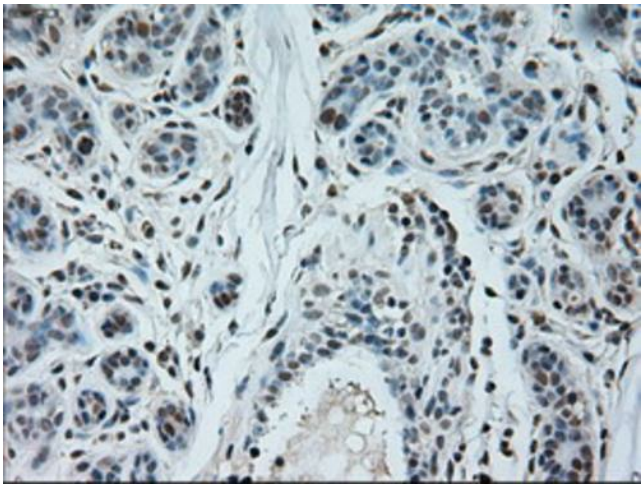


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC) , human NEUROG1 plasmid ([RC207029], hNEUROG1), mouse NEUROG1 plasmid ([MR203033], mNEUROG1) using anti-NEUROG1 antibody [TA500305](1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



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



Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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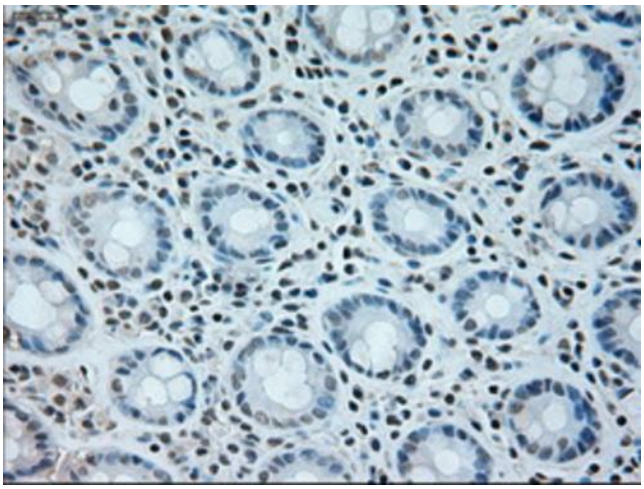
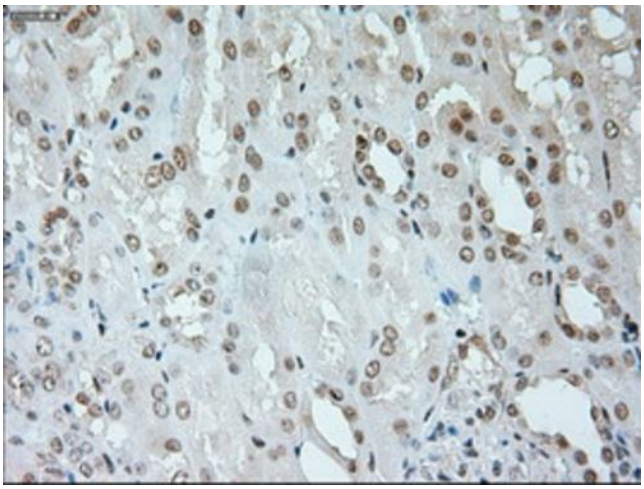
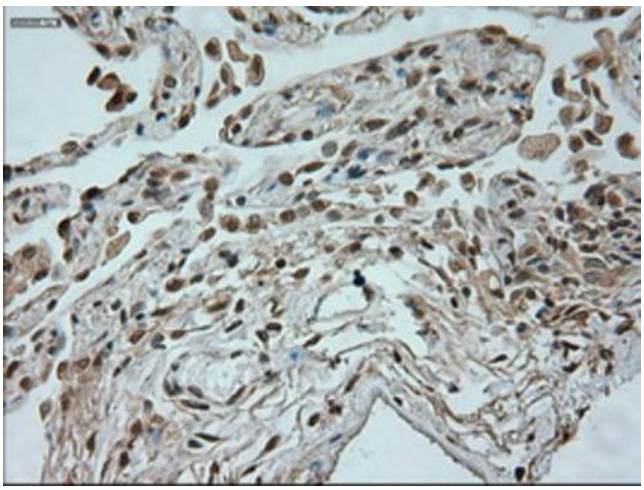


Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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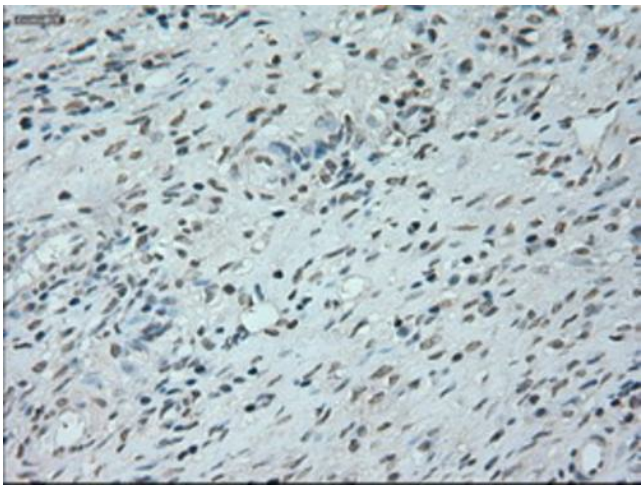
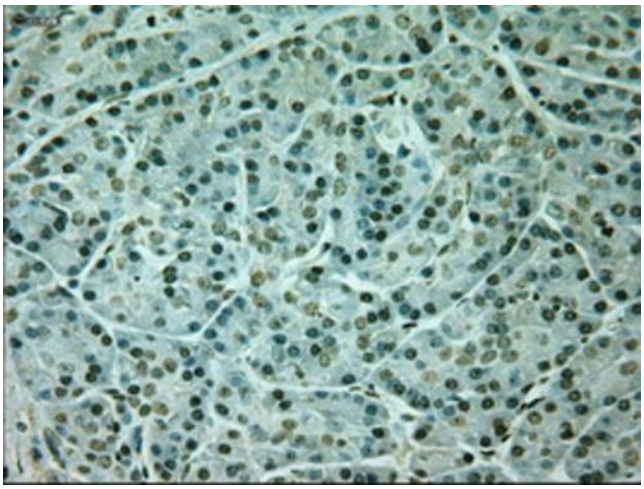
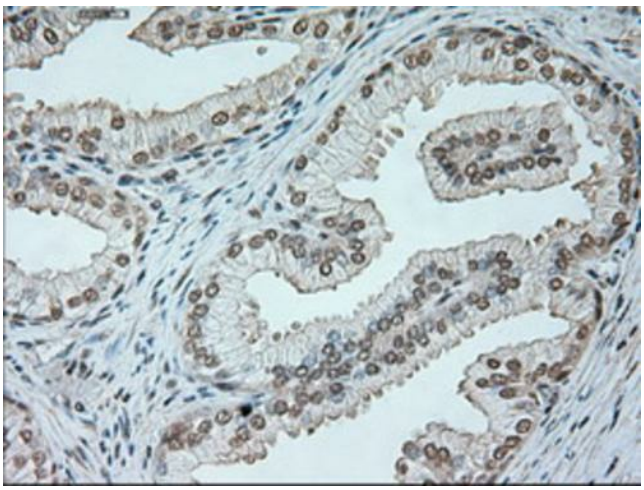


Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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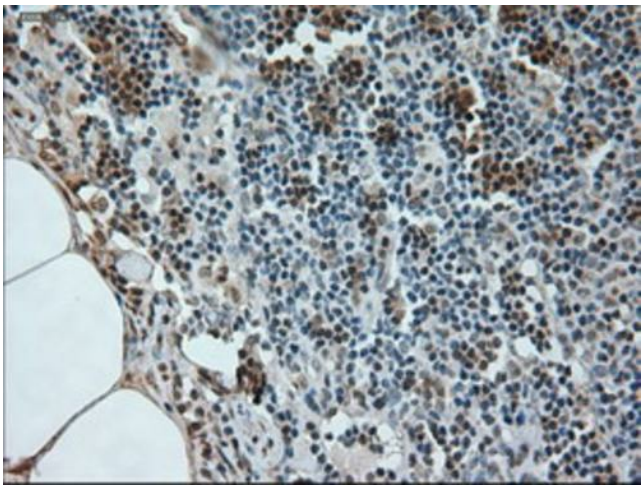
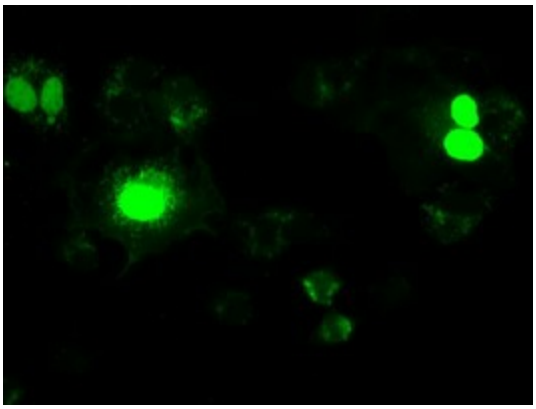
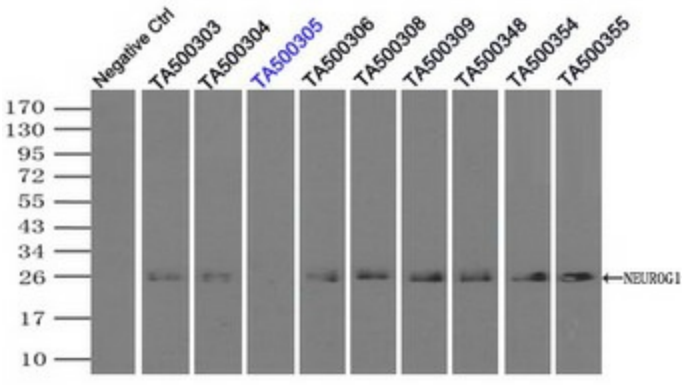


Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-NEUROG1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-NEUROG1 mouse monoclonal antibody ([TA500305]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NEUROG1 ([RC207029]).



Immunoprecipitation (IP) of NEUROG1 by using TrueMab monoclonal anti-NEUROG1 antibodies (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 immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.

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