

**(Mouse) Nr4a2 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21233c**

**Specification**

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**(Mouse) Nr4a2 Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q06219</a>
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	66593

**(Mouse) Nr4a2 Antibody (Center) - Additional Information**

**Gene ID** 18227

**Target/Specificity**

This mouse Nr4a2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 164-197 amino acids from the Central region of mouse Nr4a2.

**Dilution**

WB~~1:2000

IHC-P~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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.

**Precautions**

(Mouse) Nr4a2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**(Mouse) Nr4a2 Antibody (Center) - Protein Information**

**Name** Nr4a2

**Synonyms** Nurr1

**Function** Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development (PubMed:[19144721](#)). It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons (PubMed:[19144721](#)).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:P43354}. Nucleus {ECO:0000250|UniProtKB:P43354}.  
Note=Mostly nuclear; oxidative stress promotes cytoplasmic localization.  
{ECO:0000250|UniProtKB:P43354}

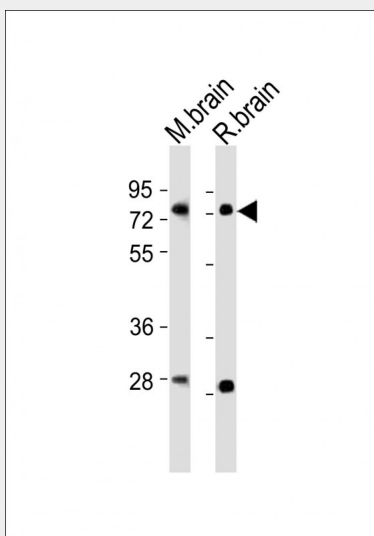
**Tissue Location**

Brain.

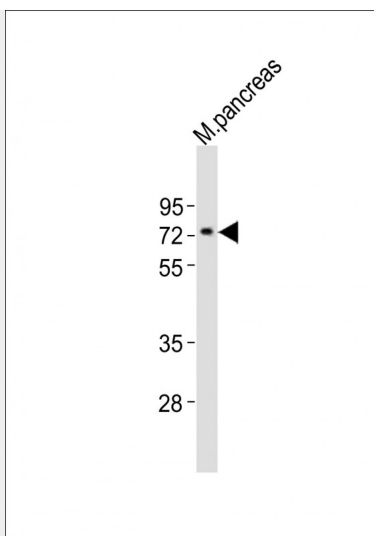
**(Mouse) Nr4a2 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

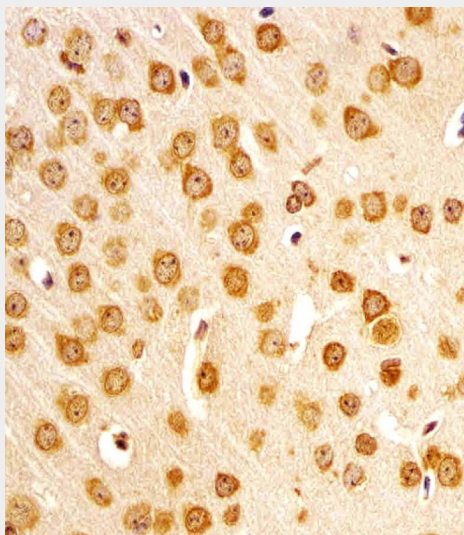
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**(Mouse) Nr4a2 Antibody (Center) - Images**

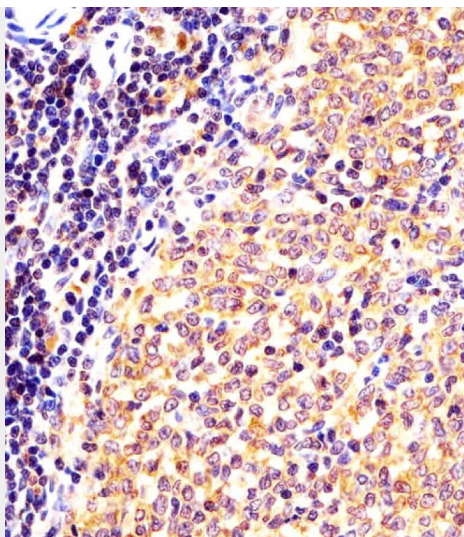
All lanes : Anti-Nr4a2 Antibody (Center) at 1:2000 dilution Lane 1: mouse brain lysates Lane 2: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-Nr4a2 Antibody (Center) at 1:2000 dilution + mouse pancreas lysates. Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



AP21233c staining (Mouse) Nr4a2 in mouse brain sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. An undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



AP21233c staining (Mouse) Nr4a2 in mouse spleen sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.