



Rabbit Anti-MOG1 antibody

SL17704R

Product Name:	MOG1
Chinese Name:	RanBinding proteinMOG1抗体
Alias:	DKFZp686F02139; homolog of yeast MOG1; HSPC165; HSPC236; likely ortholog of mouse RAN guanine nucleotide release factor; MGC110973; MOG 1; MOG1; MOG1 homolog; MOG1_HUMAN; RAN guanine nucleotide release factor; Ran-binding protein MOG1; RANGNRF; RANGRF.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MOG1:81-150/186
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein that has been shown to function as a guanine nucleotide release factor in mouse and to regulate the expression and function of the Nav1.5 cardiac sodium channel in human. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]

Function:

May regulate the intracellular trafficking of RAN. In cardiac cells seems to regulate the cell surface localization of SCN5A.

Subunit:

Monomer (By similarity). Interacts with RAN, RAN-GTP and RAN-GDP. Forms a complex with RAN-GTP and RANBP1 (By similarity). Interacts with the cytoplasmic loop 2 of SCN5A.

Subcellular Location:

Nucleus. Cytoplasm. Shuttles between the nucleus and cytoplasm.

Tissue Specificity:

Isoform 1 and isoform 2 are ubiquitously expressed.

Similarity:

Belongs to the MOG1 family.

SWISS:

Q9HD47

Gene ID:

29098

Database links:

[Entrez Gene: 29098](#) Human

[Entrez Gene: 57785](#) Mouse

[Entrez Gene: 287419](#) Rat

[Omim: 607954](#) Human

[SwissProt: Q9HD47](#) Human

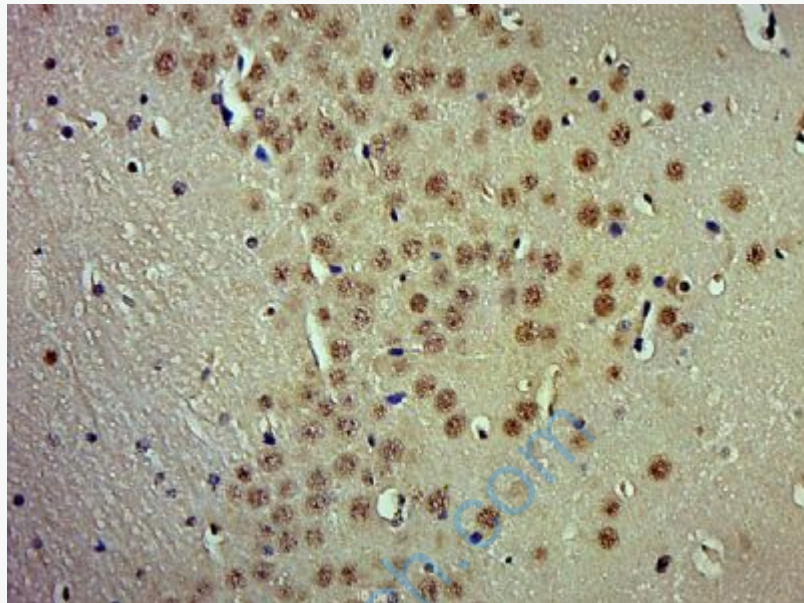
[SwissProt: Q9JIB0](#) Mouse

[Unigene: 408233](#) Human

[Unigene: 371612](#) Mouse

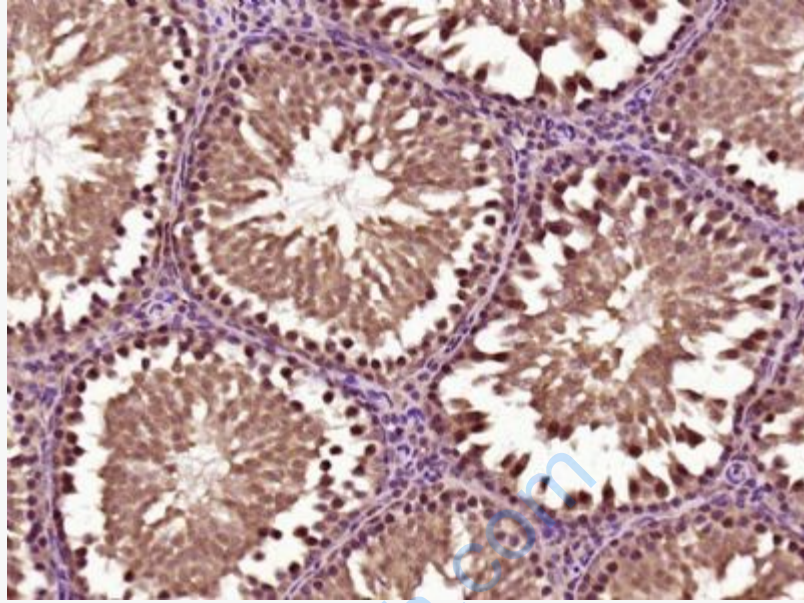
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

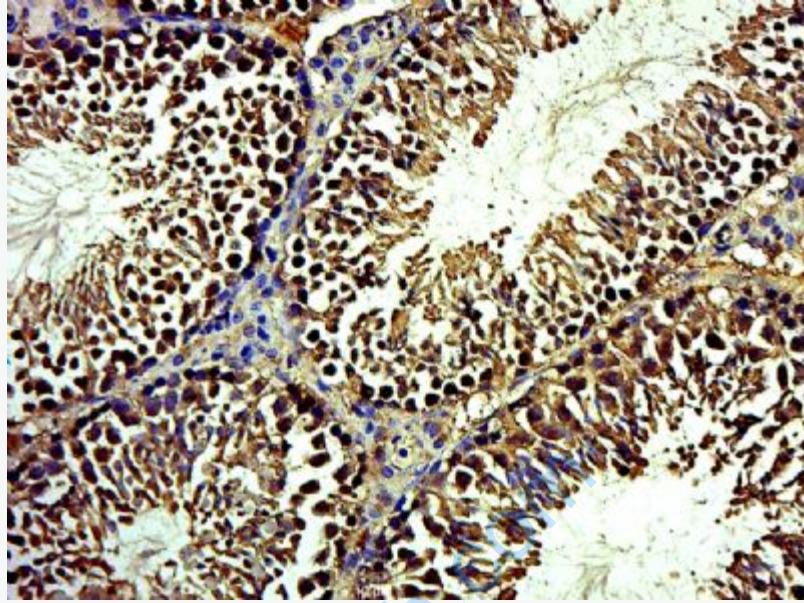


Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOG1) Polyclonal Antibody, Unconjugated (SL17704R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOG1) Polyclonal Antibody, Unconjugated (SL17704R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOG1) Polyclonal Antibody, Unconjugated (SL17704R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.