



## Rabbit Anti-MRF/C11orf9 antibody

SL11191R

<b>Product Name:</b>	MRF/C11orf9
<b>Chinese Name:</b>	髓鞘基因调控因子抗体
<b>Alias:</b>	C11orf9; Chromosome 11 open reading frame 9; Gm1804; gm98; KIAA0954; MGC10781; MRF; MRF_HUMAN; Myelin gene regulatory factor; Ndt80.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	124kDa
<b>Cellular localization:</b>	The nucleusThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MRF:401-500/1151
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	C11orf9 (chromosome 11 open reading frame 9), also known as MRF (myelin gene regulatory factor), Ndt80, KIAA0954 or MGC10781, is a 1,151 amino acid single-pass membrane protein that localizes to nucleus. A member of the MRF family, C11orf9 is expressed in the ARPE-19 cell line, brainstem, uterus and, to a lesser extent, in basal ganglion and liver. C11orf9 is weakly expressed in cerebellum and retina. C11orf9 contains one NDT80 DNA-binding domain and acts as a transcription factor that is

required for expression of central nervous system (CNS) myelin genes such as MBP and MOG, thereby playing a central role in oligodendrocyte maturation and CNS myelination. C11orf9 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 11, which consists of approximately 135 million base pairs and 1,400 genes. Chromosome 11 makes up around 4% of human genomic DNA and is considered a gene and disease association dense chromosome.

**Function:**

Transcription regulator required for expression of central nervous system (CNS) myelin genes such as MBP and MOG, thereby playing a central role in oligodendrocyte maturation and CNS myelination. Probably acts as a transcription factor that directly binds DNA and activates expression of CNS myelin genes.

**Subunit:**

Belongs to the MRF family. Contains 1 NDT80 DNA-binding domain.

**Subcellular Location:**

Membrane. Nucleus.

**Tissue Specificity:**

Expressed in lung, ARPE-19 cell line, brainstem, uterus and, to a lesser extent, in basal ganglion and liver. Weakly expressed in cerebellum and retina.

**Similarity:**

Belongs to the MRF family.  
Contains 1 NDT80 DNA-binding domain.

**SWISS:**

Q9Y2G1

**Gene ID:**

745

**Database links:**

[Entrez Gene: 225908](#) Mouse

[SwissProt: Q3UR85](#) Mouse

[Unigene: 329716](#) Mouse

**Important Note:**

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

Picture:



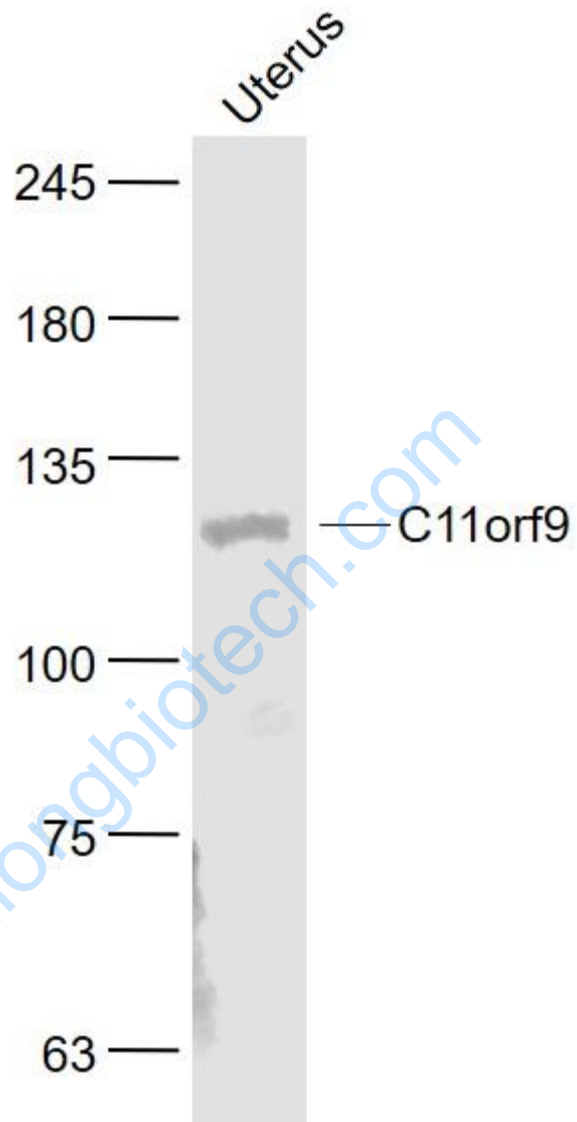
Sample: Brain (Mouse) Lysate at 40 ug

Primary: Anti-MRF/C11orf9 (SL11191R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL11191R) at 1/5000 dilution

Predicted band size: 124 kD

Observed band size: 124 kD



Sample:

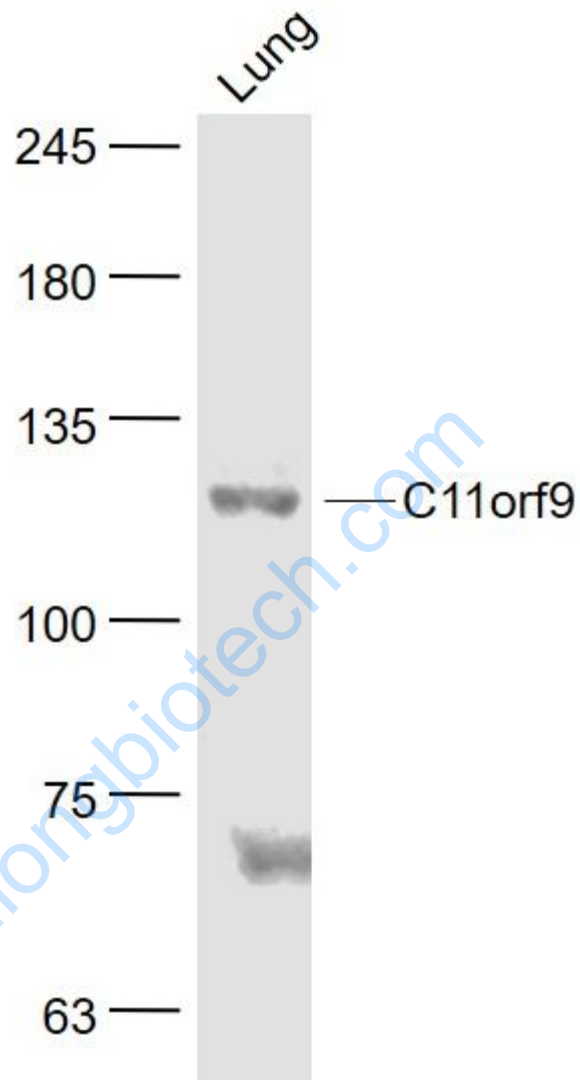
Uterus (Mouse) Lysate at 40 ug

Primary: Anti- MRF/C11orf9 (SL11191R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 124 kD

Observed band size: 124 kD



Sample:

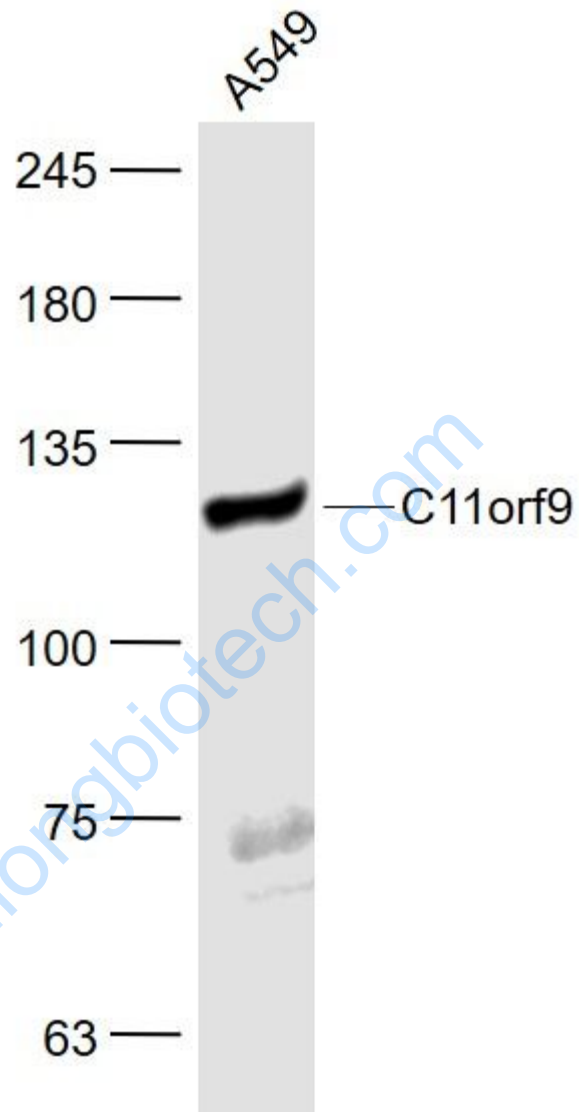
Lung (Mouse) Lysate at 40 ug

Primary: Anti- MRF/C11orf9 (SL11191R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 124 kD

Observed band size: 124 kD



Sample:

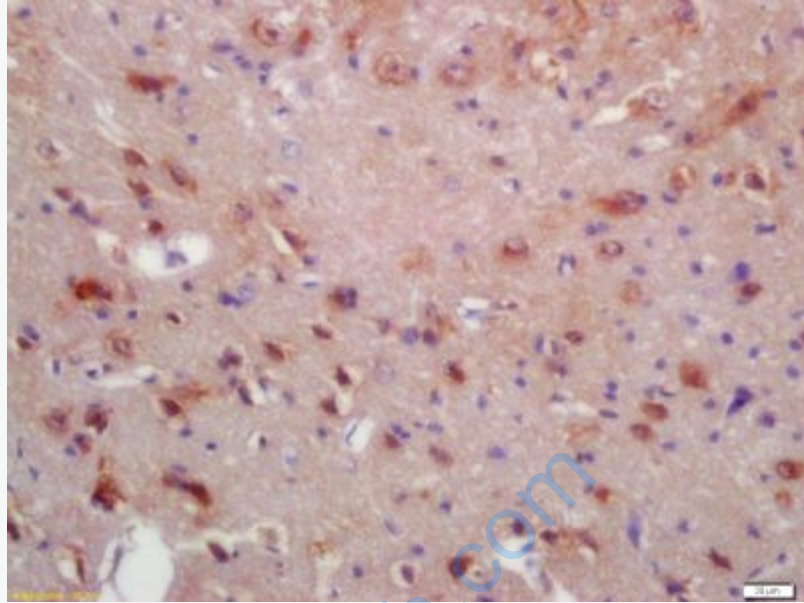
A549(Human) Cell Lysate at 30 ug

Primary: Anti- MRF/C11orf9 (SL11191R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 124 kD

Observed band size: 124 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-MRF/C11orf9 Polyclonal Antibody, Unconjugated(SL11191R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining