

## Anti-MRF/C11orf9 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 124 kDa. Actual: 124 kDa.
Purification:	Protein A purified

## Applications

1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-MRF/C11orf9 Polyclonal Antibody, Unconjugated (TMAB-08989) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

2. Sample: Lung (Mouse) Lysate at 40 µg

Primary: Anti-MRF/C11orf9 (TMAB-08989) at 1/1000 dilution

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

Predicted band size: 124 kD

Observed band size: 124 kD

3. Sample:

Verified Activity: Lane 1: Human A549 cell lysates

Lane 2: Human HepG2 cell lysates

Lane 3: Human U2OS cell lysates

Lane 3: Human A431 cell lysates

Primary: Anti-MRF/C11orf9 (TMAB-08989) at 1/1000 dilution

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

Predicted band size: 124 kDa

Observed band size: 124 kDa

4. Sample: Uterus (Mouse) Lysate at 40 µg

Primary: Anti-MRF/C11orf9 (TMAB-08989) at 1/1000 dilution

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

Predicted band size: 124 kD

Observed band size: 124 kD

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MRF

Antigen Species: Human

Gene ID: 745

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### Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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