SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

**[ Marker Primary Antibody ]**

# Rabbit Anti-MRF/C11orf9/HRP Conjugated antibody

**Catalog Number: SL11191R-HRP**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Anti-MRF/C11orf9/HRP |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human MRF |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Applications:** | WB=1:500-2000 ELISA=1:100-1000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human Mouse Rat(predicted:Chicken Dog Pig Cow Horse Rabbit Sheep) |
| **Background:** | 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.<br>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. |

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

| | |
|---|---|
| | **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.<br>**Subunit:** Belongs to the MRF family. Contains 1 NDT80 DNA-binding domain.<br>**Subcellular Location:** Membrane. Nucleus.<br>**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.<br>**Similarity:** Belongs to the MRF family.<br>Contains 1 NDT80 DNA-binding domain.<br>**Database links:**<br>**Entrez Gene:** 225908 Mouse<br>**SwissProt:** Q3UR85 Mouse<br>**Unigene:** 329716 Mouse<br>Important<br>**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |