

## MEF-2B Polyclonal Antibody

<b>Catalog No :</b>	YT2701
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	MEF-2
<b>Fields :</b>	>>cGMP-PKG signaling pathway;>>Apelin signaling pathway
<b>Gene Name :</b>	MEF2B
<b>Protein Name :</b>	Myocyte-specific enhancer factor 2B
<b>Human Gene Id :</b>	4207
<b>Human Swiss Prot No :</b>	Q02080
<b>Mouse Swiss Prot No :</b>	O55087
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MEF2B. AA range:51-100
<b>Specificity :</b>	MEF-2B Polyclonal Antibody detects endogenous levels of MEF-2B protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 38kD

**Cell Pathway :** AMPK; Protein\_Acetylation

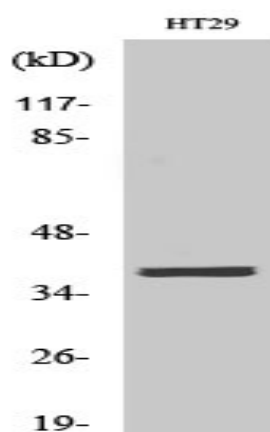
**Background :** This gene represents numerous read-through transcripts that span GenelD:729991 and 100271849. Many read-through transcripts are predicted to be nonsense-mediated decay (NMD) candidates, and are thought to be non-coding. Some transcripts are predicted to be capable of translation reinitiation at a downstream AUG, resulting in expression of at least one isoform of myocyte enhancer factor 2B (MEF2B) from this read-through locus. At least one additional MEF2B variant and isoform can be expressed from a downstream promoter, and is annotated on GenelD:100271849. [provided by RefSeq, Oct 2010],

**Function :** function:Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT](4)TAR-3', found in numerous muscle-specific genes. Activates transcription via this element. May be involved in muscle-specific and/or growth factor-related transcription.,similarity:Belongs to the MEF2 family.,similarity:Contains 1 MADS-box domain.,similarity:Contains 1 Mef2-type DNA-binding domain.,subunit:Interacts with HDAC7 (By similarity). Heterodimer. Interacts with HDAC9.,tissue specificity:Expressed in skeletal and cardiac muscle and brain.,

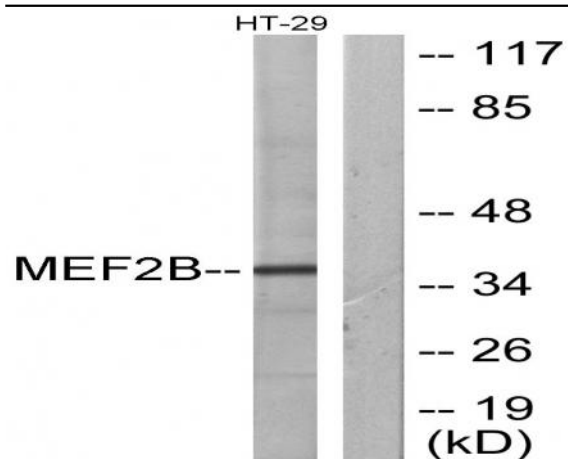
**Subcellular Location :** Nucleus.

**Expression :** Expressed in skeletal and cardiac muscle and brain.

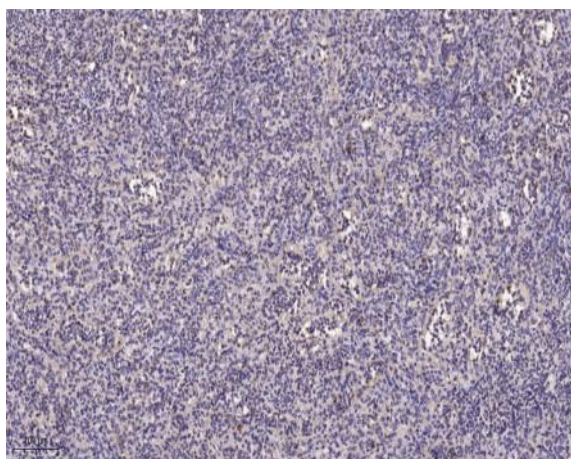
## Products Images



Western Blot analysis of various cells using MEF-2B Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysates from HT-29 cells, using MEF2B Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human spleen. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).