

For Research Use Only

MEF2D Recombinant antibody, PBS Only

Catalog Number: 85801-5-PBS



Basic Information

Catalog Number:	85801-5-PBS	GenBank Accession Number:	BC040949	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	4209	CloneNo.:	250068B7
Source:	Rabbit	UNIPROT ID:	Q14814		
Isotype:	IgG	Full Name:	myocyte enhancer factor 2D		
Immunogen Catalog Number:	AG5700	Calculated MW:	56 kDa		
		Observed MW:	55-60 kDa		

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

MEF2D, also named as Myocyte-specific enhancer factor 2D, is a 521 amino acid protein, which belongs to the MEF2 family. MEF2D is expressed in t in myotubes and also in undifferentiated myoblasts. MEF2D as a transcriptional activator which binds specifically to the MEF2 element, found in numerous muscle-specific and stress-induced genes. MEF2D mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. The calculated molecular weight of MEF2D is 55 kDa, but Phosphorylated MEF2D is 60 kDa.

Storage

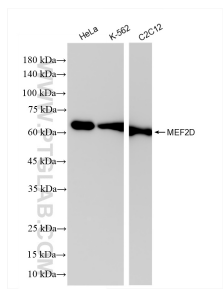
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

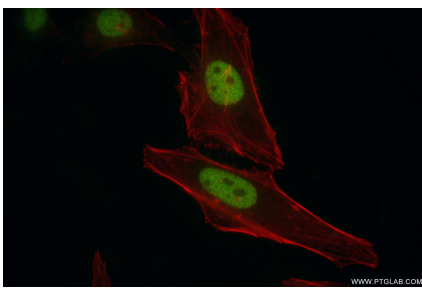
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

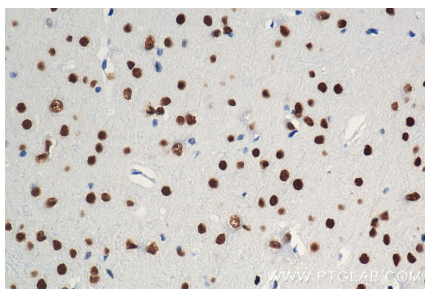
Selected Validation Data



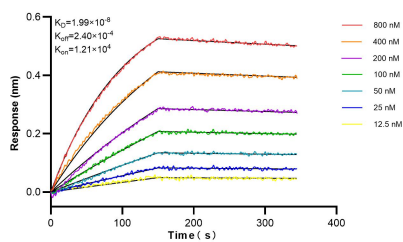
Various lysates were subjected to SDS PAGE followed by western blot with 85801-5-RR (MEF2D antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85801-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MEF2D antibody (85801-5-RR, Clone: 250068B7) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85801-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85801-5-RR (MEF2D antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85801-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85801-5-RR against Human MEF2D were performed. The affinity constant is 1.99 nM.