

For Research Use Only

# NR2E3 Monoclonal ANTIBODY



Catalog Number: 66494-1-Ig

## Basic Information

<b>Catalog Number:</b> 66494-1-Ig	<b>GenBank Accession Number:</b> BC041421	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10002	<b>CloneNo.:</b> 1G1D9
<b>Source:</b> Mouse	<b>Full Name:</b> nuclear receptor subfamily 2, group E, member 3	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 45 kDa	
<b>Immunogen Catalog Number:</b> AG5831	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: pig retina tissue, mouse retina tissue
<b>Species Specificity:</b> Pig, Mouse	

## Background Information

NR2E3, also known as PNR, encodes a retinal nuclear receptor that is a ligand-dependent transcription factor. This protein is part of a large family of nuclear receptor transcription factors involved in signaling pathways. NR2E3 influences the development of photoreceptors and their differentiation into rod and cone types, and acts as a transcriptional factor that is an activator of rod development and repressor of cone development [PMID:20725840]. It binds the promoter region of a number of rod- and cone-specific genes, including rhodopsin, M- and S-opsin and rod-specific phosphodiesterase beta subunit. [PMID:15689355]

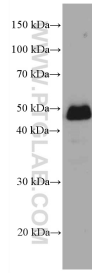
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



pig retina tissue were subjected to SDS PAGE followed by western blot with 66494-1-Ig (NR2E3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.