

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: 1600 ug/ml by Bradford	<b>GeneID (NCBI):</b>	10002	<b>CloneNo.:</b>	1G1D9
	Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>UNIPROT ID:</b>	Q9Y5X4	<b>Recommended Dilutions:</b>	WB 1:500-1:2000
<b>Source:</b>	Mouse	<b>Full Name:</b>	nuclear receptor subfamily 2, group E, member 3		
<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>	<b>Positive Controls:</b>
WB, ELISA	WB : pig retina tissue, mouse retina tissue

**Species Specificity:**

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 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

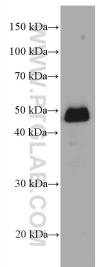
\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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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.