

HRP-conjugated NR2E3 Monoclonal antibody

Catalog Number: **HRP-66494**

Basic Information

Catalog Number:

HRP-66494

Size:

2000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5831

GenBank Accession Number:

BC041421

GeneID (NCBI):

10002

UNIPROT ID:

Q9Y5X4

Full Name:

nuclear receptor subfamily 2, group E, member 3

Calculated MW:

45 kDa

Observed MW:

45-50 kDa

Purification Method:

Protein G purification

CloneNo.:

1G1D9

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB

Species Specificity:

Pig

Positive Controls:

WB : pig retina tissue,

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:

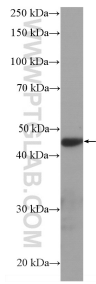
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



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