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Polyclonal Anti-NR2F2 Picoband™ Antibody

Catalog Number: PB9729

Description

Gene Name	nuclear receptor subfamily 2, group F, member 2
Recommended Protein Name	COUP transcription factor 2
Lot No.	0971512Da0529109
Size	100μg/vial
Form	lyophilized
Ig type	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purification	Immunogen affinity purified.
Species	**Reacts with:** human, rat
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NR2F2 (1-26aa MAMVVSTWRDPQDEVPGSQGSQASQA), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg NaN_3.

Application

	Concentration	Tested Species	Antigen Retrieval
Western blot	0.1-0.5μg/ml	Hu, Rat	-

Tested Species: In-house tested species with positive results.

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Preparation and storage

Reconstitution: 0.2ml of distilled water will yield a concentration of 500μg/ml.

Storage: At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time.
Avoid repeated freezing and thawing.

Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB.

Background

COUP-TFII (COUP transcription factor 2), also known as NR2F2 (nuclear receptor subfamily 2, group F, member 2), is a protein that in humans is encoded by the NR2F2 gene. This gene encodes a member of the steroid thyroid hormone superfamily of nuclear receptors. The encoded protein is a ligand inducible transcription factor that is involved in the regulation of many different genes. Alternate splicing results in multiple transcript variants. COUP-TFII plays a critical role in controlling the development of a number of tissues and organs including heart, blood vessels, muscles and limbs.

Reference

1. "Entrez Gene: NR2F2 nuclear receptor subfamily 2, group F, member 2".
2. Lee CT, Li L, Takamoto N, Martin JF, Demayo FJ, Tsai MJ, Tsai SY (December 2004). "The Nuclear Orphan Receptor COUP-TFII Is Required for Limb and Skeletal Muscle Development". Mol. Cell. Biol. 24(24): 10835–43.
3. Pereira FA, Qiu Y, Zhou G, Tsai MJ, Tsai SY (April 1999). "The orphan nuclear receptor COUP-TFII is required for angiogenesis and heart development". Genes Dev. 13 (8): 1037–49.